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Thomas A Edison Papers

A SELECTIVE MICROFILM EDITION

*PART V
(1911-1919)*

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at
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The original documents in this edition are from the archives at the Edison National Historic Site at West Orange, New Jersey.

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START

242

A Note on the Sources

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filmed are the best copies
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made to ensure legibility.**

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**NOTEBOOK SERIES
POCKET NOTEBOOKS**

Notebook Series -- Pocket Notebooks

These thirty-five pocket-sized notebooks cover the years 1911-1919. One additional book—PN-10-00-00.2, which was probably used during the summer and fall of 1911—appears in *Thomas A. Edison Papers: A Selective Microfilm Edition*, Part IV, reel 178, and *Thomas A. Edison Papers Digital Edition*, NP086. The books were used by Edison to record ideas about business matters, experiments to be tried, and other tasks to be performed. Some of the entries have been crossed out, and some were subsequently copied into other books.

The seventeen books for 1911-1915 relate to a variety of topics, including primary and storage batteries, disc and cylinder records, cement, and motion pictures. In addition to technical notes and drawings, there are notes about inventions to be patented, songs and recording artists, phonograph and record sales, advertising ideas, legal and patent matters, costs and salaries, and personnel issues. There are also cost estimates for the new chemical plants constructed after the outbreak of World War I, along with notes about projected phenol and benzol sales.

The thirteen books for 1916-1918 pertain primarily to submarine detection experiments and other research performed for the U.S. Navy during World War I, although there are also notes about disc records, batteries, and other topics. Some of the entries in these books were made aboard the USS *Sachem* in Long Island Sound and at the U.S. Naval base in Key West, Florida, where Edison resided during February-April 1918.

The entries in the five books for 1919 relate to projects begun after Edison's return to West Orange in May 1918. Included are notes on improvements in the Lalande primary battery, the processing of lithium ores, the construction of disc record blanks, experiments with chalk telephones, and the development of a starter battery for the Ford automobile.

Notebook Series -- Pocket Notebooks
Notebook, NP-12-04-27

This undated pocket notebook was used by Edison, probably during the winter and spring of 1911, to record ideas about business matters, experiments to be tried, and other tasks to be performed. Many of the items have been crossed out. Clean transcriptions of some of the entries in this book can be found in PN-11-05-15. Included are notes relating to storage batteries, record production, recorders and reproducers, and cement. There are also lists of inventions to be patented, as well as lists of musical selections and singers. The business-related entries include notes about prospective employees, advertising, costs, taxes, and film rentals to owners of home projecting kinetoscopes.

Among the numerous Edison employees mentioned in the book are battery experimenters Ralph Arbogast and Thomas D. Greenley; chemists Jonas W. Aylsworth, Ignacy Goldstein, and Ludwig F. (Louis) Ott; master machinist Robert A. Bachman; Frank L. Dyer, president of Thomas A. Edison, Inc., and head of the Legal Dept.; Walter H. Miller, head of the Recording Dept.; and phonograph experimenter Alexander N. Pierman. The pages are unnumbered. Approximately 150 pages have been used.

Karel Bondman Pianist 54
Morningside Ave. E. NY

Patent.

Printing film optically
" Machine.

New Tray for batteries

Telcoasphalt compound

Mfg Night long drying all salts in -

Mold with 1 to 2% cobalt.

New composite second friction motor

Lift up horn movement friction lock.

Small machine lifting horn-rod

Key for holding accordion

Wooden spec for arm -

Copper inserts in submarine pole pieces.

2 threads on disc TS Eng. 2 Splines on disc

^{2 threads on disc}
W. C. A. Horn W. U. 1st Eng. of
Equipment 6980 Consultant.

Work up substitute for Rubber
bulbs now used to keep top cells
free of liquid

Start somebody finding a boat
for Copper for ~~blows~~ which is
more comel than ~~Not a person~~

Angels Serenade, Swanee River
Robert Adams, Old folks at W. men
Coming thru the Rye, Old Black Joe
Nelly Gray, Our Maria, Went Waving
Home, Sweet Home, Massan-Caid ground
Tenting, tonight where is my Wanderer
6 or 7 night, Rosaria, Mary Lee
My Sambo, I have sighted Treasures,
Evening Star, Sunshine, Lady Love
Lost rose of summer, When swallows
homeward fly, Kathleen Moar, when
Jemima, Heads bowed down

Sas Lander about next new
place -

Newspaper Ads average 2⁰⁰ each
Column Set En. Post #81 each, insert
Munsell #31, Review of R #16, each
Life #14, each -

How about troughs deep battery
Crates,

Carbonyl wood to red
Charcoal see if islands ROH,

Patent -

Closed front of Phone
weight to keep fixed arm in -
Universal joint on speaker - positioning
device 10 12 & 14"

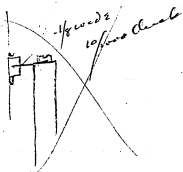
Did RA ever ride up from plate as
whole see Hallard

Tell Bachman about
asphalting in flake room

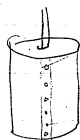
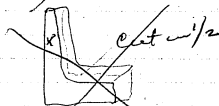
Pierman records the heavy
notes from disc on cplinder
at double speed

has a splint of flake
then rolls see what occurs

Connect arm on Sphers 4"
by link penmanship



Grind in Monitor with alcohol
Lamp & Violet in testing record
filter the violet dry SiO_2 instead
Lamp & K -



to cut on

for flake

See Walter Miller about
some new class records
being taken here?
about 7-

Carrington Company 17
Carnegie Machinery 25
Central Station 16
Comet Vehicle 40
Cylinder Valve Machine 80
Elec. Reving 30

" Levered 32
" Motor Truck 21
" Oil Feeding 27
" Machine 38
" Boiling 45

Autoclave 30

Motor World 23

Motor Print 68

RR Elec. Eng. 38

Selling Elec. 30

Amman Machine 30

Pacific Motor Boat 22

Motor Car 40

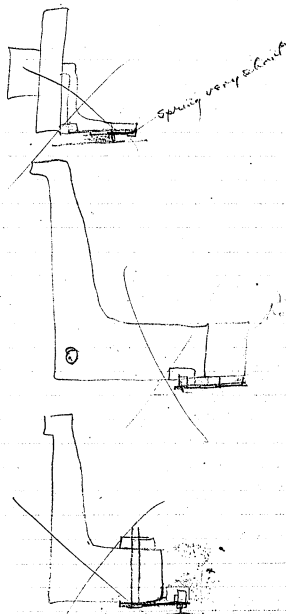
Southern Electric 20

Pole Made Engineering 40

Prolet. Soc. RR. of Cal.

San Francisco 70
Motor Field 24

\$900
monthly



517

Shield mounted
Stop 100000 rubber



Call attention
attention to high
points on wheels
should be adjacent
grooves on rear wheel
or the wheel

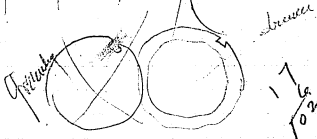
Call Walter Miller attention
to Big wave in 107 jump
+ also that the road
never was washed deep
enough + accompiment

Lansdown - 6 months sales 133000. at
2700 each 50 vehicles - Oct to Sep sat +
extra force which are to go. \$2417 month
for 6 m. \$14500 \$290 per wagon
Kinsey Sales 22190 Klingwall 9994
Tyler 2500 - Repeat order 98316⁰⁰

What about the man
searching Backfire -

Patent Double desc
grooved together
or same shaft one
desc above the other
Record accompiment
on one + say in the
other -

RA 1433 1434 1435 Exp
Presup Cold, Labret,



001

Dyes - how about
 Corporation govt papers -

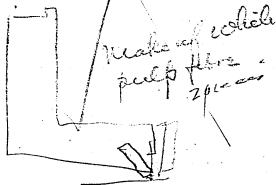


Dye X X both thin & put
 under tension by block
 in Center - edge shellack

Try shellacking both sides
 of the 130 @ 50 white pulp
 dia -

Soak shellacking paper in
 shellac - also Condensate
 & turn off 40 Edge 120
 Center

use 55/100 shellac & band
 back up with 150 Cork
 at Center 50 at edge
 use lac on cork wheel -
 + add ~~shellac~~ also lac
 1" dia in center of
 Cork -



recessed
 friction rolls

Talk to Oscar Bee about our
 phone apt. seeing people
 having electric, which I
 believe can go in - to
 my & Quon parties charge
 over - Common 10%
 which is \$80. net to them

Upton Kalemberg
 University Wisconsin
 for tonight. Hearing
 Chemist, Elect. -

Net -

Selling	4916-
Shipping	466
Atty	3130-
Admission & local	5838
	<u>14352</u>

off
 2000

Rent	1378
Low	246
Tax	103
Bread out	2900
Beach Direct	767
	<u>4996</u>

Shopping out 1400 of elec
 1145 daily 27480 month

Editor Academy of
Political Science

Please give me the
address of J Pease

Norton, =

~~Make list of cells see
lowest % that helps
heat~~

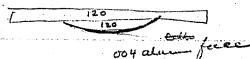
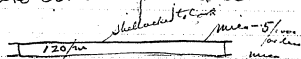
Brown 360 amp 48 cells
3100 lbs - 96 V

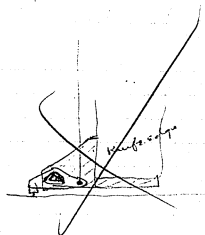
34560 watts
80 A10-96V 37% amp
36000 watts

Exide

	9	11	13	15	17	19	21
Plates	112	140	168	196	224	252	280
amp -	283 1/4	354	421	487 1/2	554	621	687 1/2
Weight	28	35	42	49	56	63	70
Dis vol.	407	505	583	658	742	830	910
33% of	263	339	388	441	494	556	600
With lb -	74	767	819	816	813	813	823
Total cost	9510	11900	14350	16650	19000	21420	23850
8 3/4 cells	A4	16130	-A6	15750			

Make Cork draping thru





Output per Crane per
day of 24 hours
32 $\frac{1}{2}$ lbs net flr for

Cupric Sulfate + H_2SO_4
in presence of desalors
Copper:

Cu Sulfate + K Thio Sulfate
try CuSO₄ as a last or
other salt to keep the salt
across as nitrate

Palasum Nitrate, warm
on Cu

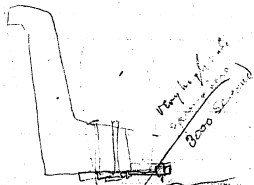
Dimethyl hydrazine in glycerum
add glycerum to 2 into coal
cells. 1st addition -
change 3 times simply & put on
hot

W. Dressed Iron Copper
Sulfate dissolves Copper.
good, = try Cuprous chloride
repass the gas nitrate & iron

Sulfate + Na Thio Sulfate

Neutral Ferric Sulfate
is reduced by Copper

~~Copper as a salt in solution
is a strong oxidant
perhaps Ferric Chloride
to give Fe^{2+} & Fe^{3+} in
disposal, could be used
at a site.~~



It is possible that the
only way to break high power
Sagittarius into its own
point in a road where natural
state is as high as possible
the Sagittarius is a natural

Cupric Chloride & acetylene
used in -

Reduction of Bismuth & Phosphorus
may use another phosphite in
the bath. Switches for Phos at
 $\frac{1}{2}$ Cu Ca Mg
Iron Electrode used -

Output to 25% in 1513-1514
page 7558. which is a lab &
all reduction is necessary.

\$4.16 per Cell - used -

Cuprous Chloride very salt in
NaCl, form double salt
then with Cupric Chloride
should be a double salt

Cupric Chloride for Cu

Column of Live Filings
Pass water thru H_2O_2
formed - this blown into
 $2\frac{1}{2}\%$ H_2SO_4 & dissolves
Copper

$2\frac{1}{2}\%$ H_2SO_4 Bichromate
+ then add H_2O_2
only $\frac{1}{2}$ the amount
 H_2O_2 as required in
this case.

Try $2\frac{1}{2}\%$ H_2SO_4 + H_2SO_4
or H_2O_2

Try Hypophosphorous acid
on plate.

Try $2\frac{1}{2}\%$ + Sodium -

To make H_2O_2 oxygen & ultra
violet energy by lamp -
pass air - also try Oxygen
+ pass air into $2\frac{1}{2}\%$

Formic Sulf certainly dis
Cu - try again

Copper is not precipitated
any Cu salt in presence
of Salicylic acid
by any of these
albeit - Try Hydroxy
+ Salicylic
dithio. K OH + anode digests
with Salicylic in it
very aromatic oxygen in
both series does this
Quin. c. Tannic Etc

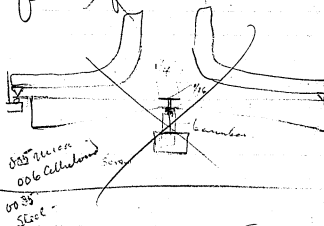
of Ferric Sulfate, Turpentine &
 Pour over, $2\frac{1}{2}\%$ Hydrogen
 put ^{15,000} ~~the~~ mechanical No. 4 & 7
 together, press hard & work in
 Hydrogen - use 32 plates
 then roll out to 0035 -
 gives to of 1,000

QWA test both
 Fisher 40° below zero for
 Compression -

Design Brewer's
 battery - A 12 heavy
 terminals ~~but~~ 90 A 10
 Can be put in -

~~Tell Bachman about
 dull flake knife -~~

~~Please how about
 feller for 13 & cells~~



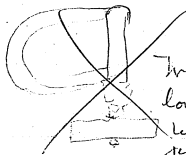
~~Goldstein figure how
 much Rly required
 also 16 Cu - also
 if can be done by
 fusion - or reformation
 in any way.~~

~~Hg. 1/2 - 1/2 Cu dis Cu~~
~~Hg. Cu dis large quantity~~
~~HgO - chloride this to~~
~~or Hg Cu~~

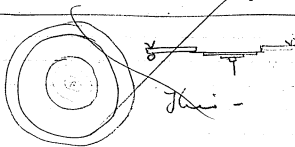
The formulae of α Co
 formulae K formula Nib
 (Key decompose to formula
 Ks Nib by heat)

~~Have 24 3 1/2 cups~~
~~made a 24 2 1/2 sizes~~
~~Cup made~~
~~to collect & preserve~~
~~Reprints~~

See Harry Miller
 with running Microscopic

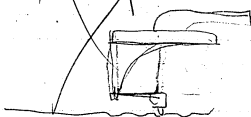


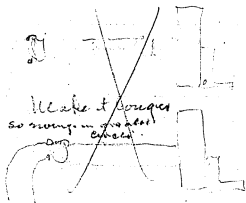
Try Lat Expt
 longer feed
 into stop
 jumping



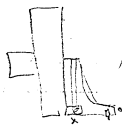
Thin -

Presley Try the fusible metal
 See Camille Book -

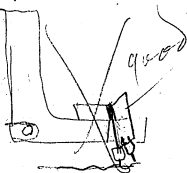




possibly no flattening



Make aluminum covers
wood gives wave at
x a c



Mean dia - 5/1000 then about 10/1000 rubber
then 5 mean 2-2 on little
5 mean 5 rubber cement then 5 mean
2-2 on built up 20 to 25/1000
thick - 1" thick center

Try the brown light Carbide

Send for Archer & decide about
making tail tubes quicker
too far below -

Get to DB 10th sec new crate
for how about dipping tank

also Backman about put
in drying app for Hydrogen
in welding -
or how he left filler on
B4 -

Bless Howard about filler
funnel B4

Holland ~~is~~ about
filling & ring bell —
Scul Cost Sheet,

Lot - How about Quad
Refri —

Chilled ~~and~~ ~~off~~ ~~Cut~~ ~~of~~
Gas try & have him get
Furn. ~~keep~~ ~~of~~ ~~a~~
Mol for ~~ad~~ ~~at~~

Webster ~~and~~ ~~Wirth~~ ~~and~~
back up but Coat surfaces
& then turn over or ground
Scrap to a fit on steel —

Bachman about scratch
brush cleaning if seem to get
good plating —

Fast Train Boston 1 per
Grand Central —
Tolpin ~~Part~~ ~~of~~ ~~decide~~ ~~to~~
go —

11 ~~an~~ ~~os~~ ~~used~~ ~~shy~~ —

32 $\frac{1}{2}$ lbs per crane —

28% ~~decided~~ —

See Scully & Bachman
& see ~~where~~ ~~the~~ ~~loss~~
is — 167 lbs shy

House Unsettled
 Dyes - about 1/2 cup all the Royal
 Subscript on negatives on roughly 1/4 cent
 for on Sales from their negatives.
 we to have excellent & handled
 by Genl. J. M. Co, in Sub Dept,
 or by ourselves than the distribution
 or otherwise -

	Yorley
Vannell	
Wagon Repair	14.50
Horse "	25.00
Harness "	9.00
Repair wagon	50.00
Shoring	30.00
Repairs Harness	8.00
Stabling	216.00
Veterinary	6.00
Driver	780.00

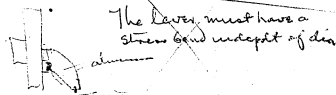
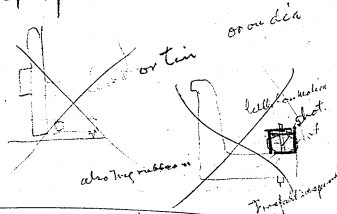
6 wagons

1142

4 1/2 miles furtheral Customers
 60 deliveries daily
 average total travelling 15 miles

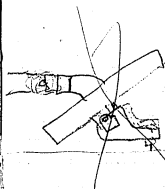
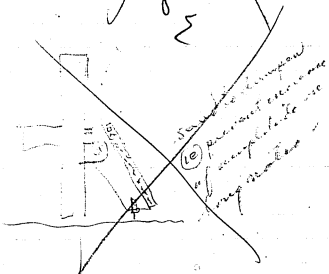
Try glass on Speaker
 with diamond -

Try 2 points napher both on
 spring.



Strengthen wooden
 lever mechanism on the soft
 after think & how lever bands it
 too much -

Walter Reed right over
to Dimitri Smirnov
Hotel Ryshchinsk
I have been come over
using - is under contract
in Europe -



Try Cuprous Cuprous + Kcy-

Try May 603 + HCl only
" + pass chromic -

test giesante for gold

Cone (in 2 pass chromic
then on hot to see good
if heat alone. No -

Chromic

~~Backrun~~ cut some
flake compound 20 30
+ 50% more area for
pouring back to my
tests - ~~Must 3 1/2~~ ⁴ ~~only beds~~
~~under beds~~ ^{good use of remainder 1/2}

Get 2 or 3 lbs of Copper
ore from Ballou Co
from Reg. N.Y. &
see if can make it good
for ballou's bullion & how
much N.Y. 503 is it -
also if it can be used for
make N.Y. 503 - ^{at 100%} ~~by~~ ^{by} ~~using~~
on Coude N.Y. 503 - ~~stop~~
using N.Y. 503 - ~~see if~~

~~See what parts of~~
~~McLester can make look~~
~~for to cheaper~~

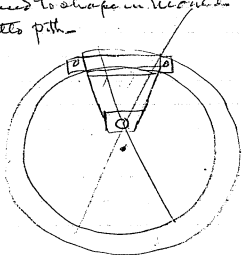
Why not use the drum
from shaft. Then can use
Reg. brass & steel bowl
on frame -
Why not show drum down
by a Reg. with solution
lost sling -

See if can use full
sized flake - 1/5 lb -

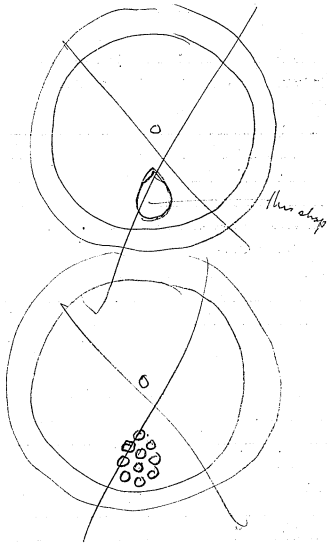
See Holland & Backrun abt
pouring out after 3 slip
the solution from one
cell to the other through a
rapid filter - or a container
jar with forward & empty
cell after pouring into it
& run out the filter

Will H. H. has one
used often & is fairly
cheap & can get
Explosion mix only

Drapies - 130/200 white pulp
 soaked ETO + shells - do paraffin,
 ditto Milled Rasin, ditto Tetralene
 Dark lighter board soaked same
 ditto White blotting paper -
 " Cloth & Shells
 powdered Cork & powdered Lac
 pressed to shape in Moulds
 ditto pith



Try this & no weights. This will
 lighten & do away with corner
 weights - giving the arm &
 make drop in time will all come



~~Tell Pierson he is running the
recording sessions 3 or 4 times
too fast -~~

fix up Model O with cork

Qct test E 18. 24 - Explosive
by wire at bottom - middle stop
rec distinctive effect - also
at what point in sig down
the gas qct explosion

Smith-Hav² A4: made with
dope made at seams. - go on
test.

~~See if Gulistan make the
big batch of or $1\frac{1}{2}$ yds
Cobalt Maked -~~

Notice Nordens blasted on
Vie but not on ours
due to long living in town.

Try the longer turn on a second
trial won't hold on our
new speaker & see if it
holds. Ask Moore if he used
the same two speakers on both.

~~test 5003-4 the 2 Cabact 1%
without light -~~

Patent new, deep fold

11. Biophysics & Ecology

" Composite, second, & third year

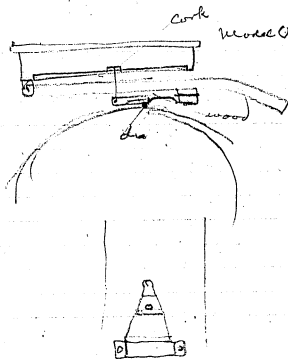
2. ~~Nepe~~ ^{Nepe} ~~Ni~~ ^{Ni} ~~0.5~~ ^{0.5} / Little Cobalt in it

.. CIE 114 Regulatory

11. Gauging water water -

11 Antiseptic 1/2 & wholly
with oil for all Bd to start -

See Mallory ^{papers} about turning over
Cement from machinery &
whale house prop to Co.
done at Stoughtonville my
expense -



Goldstein - takes some veg
 grown put in 5% NaOH
 also 10 & 21 - closed
 box - dry no hole, ~~also~~
 then wash - see how long
 takes to dry - Run down

~~Pierman. Pines - longer about
 part to horn - wood. leaves for
 knife - double diaphragm -
 paper pulp - larger dia
 2"~~

~~Heavy fix up the stock etc
 JCE image -~~

~~Ask Dyer about that
 searchers report on
 Beak etc~~

~~Louise alt - Dry Tollen
 for redifying nearly dry paper
 also as a condenser for
 phosphorus etc~~

WW -



~~Rego's other
 wood etc~~

group 3 with 3.5 milg
of 45/1000

dillo 3 milg Regy^{thm}
dillo 2 1/2 milg

Tell Walter Wells about
operating or apt his
Machine - y plan to
get experience -

Plus - what about
Reclifier + mfg 1/2 doz

See Durand apt WU
show progress -

Mamilla Caps - JWS Resin
Horn melting in a pan + heat -
Pitel = Mamilla Caps
+ oxides, mud + heat,

Legal dept makes accurate
drawing of parts showing
coverage & resistance
Control -

give Specimens of
Nickel to Legal Dept.

Tell JWS about -
oil stain blue

Try new disc Spills on Victor 1000 do
also at ac/dc



Dyes about that ~~Peller~~ to
he Norfolk man was
he sent it

get big Aluminum alloys
Especially Aluminum
Magnesium. 3000 lbs at 70
Al - nearly as hard as
Tool Steel -

Louis Oth - work with
Lithium Sal ditto Barium Oth
Zinc & Ni Electrodes & c.
of Fine metal in solution
for celling

Try make Ni Oth by using
dry NaOH & Chloride Ni
anhyd - Nitrate, etc.
Acetate,

Try Gold Leaf & $\text{CuCl}_2 + \text{NH}_4\text{SO}_3$
or NaCl - solution -
get another washer

Try diss Cu by Oleic acid
Hot,

Dry formaldehyde & used on
lubricating oils & burning oils
& other things - get solid
products - resins, etc.

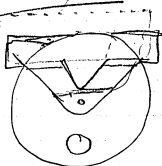
Goldstein Sec. of our Salesmen
Wm. C. Gal is dead & about
for killed - ~~the~~

~~Quartzite - green, clay
rich in aluminous
mat. - also contains
rather organic in nature
M. is red, dry
slow.~~

Rabroquet should be a good
circulation app. can run in
~~small~~ ^{small} ~~masses~~ ^{masses} preferably
superheated, = probably steam

Photo for pocket Cadman
or use req -

~~Don't know~~
Wardens. Nitrocellulose gel it
just out.



10 braces to make Spher track
more in the center -

Try 2 Knife Edges - also
2 Knife Edges one on rubber



also both on

Rubbers - also
Cork in land rubbers
pasted on thin paper to
form ring or bellows on -
Endue Drapin - also bellows

Blotting paper soaked shellac
paraffin etc - Rosin -

Also board made up of sections
to 130/1000 but put together
with fragrant shellac
Rosin, fine dogs, etc -

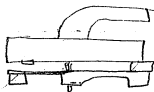
Dia



Layers of porous paper pasted on
to soften sound waves - also Cork
1/16 thick - Chambers altered
a little -



Leverage - wood -



Lead -

See of Native Barren Sulphate
BaCl₂ can be 52.904 use chloride

Greenley's ~~acid~~ ^{acid} Ferrous Sulphate
with by passing ~~acid~~ ^{acid} over to
remove the 50% ~~acid~~ ^{acid} common Sulphate
+ lime then to make fresh H₂O₂
for 50%,

~~acid~~ ^{acid} ~~acid~~ ^{acid} Ferrous Sulphate
by NaOH, dry with NaOH &
then wash 4 times a brackish
residue, dry quickly in rotary
cylinder - also brush up Sulphate
& wash together, only use very
slight excess NaOH dry quickly
periodate, send to laboratory to
reduce ~~acid~~

CS53

A new method to investigate presence
of H over $\frac{1}{2}$ which once gave
green & an ammonia
find out if N in the ~~test~~ H.
gives N₂ or what impurity
beside N must be in the test

Goldstein Ca carbide amount
H to reduce lb of Iron to
Metal -

See if high density well deposit
Nitrates is in fact powder so
does adhere in a test to make
Bailey work - perhaps from
a Nitrate Sal or other acid
it can be got away, fine
also with large quantity of
a foreign salt in Sal Lake
a Soda Salt,

Old work

Organic salts of iron when ignited
but contact with photo nichallic iron
some ferrous ox - must be a
valuable acid, acids which grow
up O₂ ^{or NO₂} ferrous, acid like
Carbonic which contains O more
possibly give ferrous ferric,
try active,

in ammonium salt
ferrous ox is obtained by
igniting to red heat ferrous
sulphate with $\frac{1}{2}$ part
Salt peter a persulphate -
Chlorine Sulphate Chlorine

Goldstein process for O₂ wash
nearly free. Sulphate, then add
H₂SO₄ to grow heavy
loading wet a slow dry
1 lb
dries twice the quantity
NaOH.

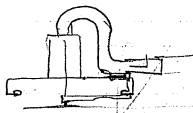
Adapt Soft Spks to Victor
+ use our reason -

Go for Arkow to send over a
10 inch thick ~~to Ark~~ ^{to Ark}
Let him use a good ~~spatial~~ ^{spatial} word
page what the ~~will be~~ ^{will be} as will
Send for Rogers & talk
over totals ~~to him~~

Have Scull send over the
detail Costy ~~from~~ ^{from} say
that his memory seems to
be poor & he better keep
daily mem - go for him -



Try Knife Edge
Opposite to usual thin
vib dia dont bend jump
weight so much ~~down~~ ^{down} in arm



Done

Premier make an air
spks for disk -

See Hudson find if Reble
has used up old Copper plates
at Silver Lake -

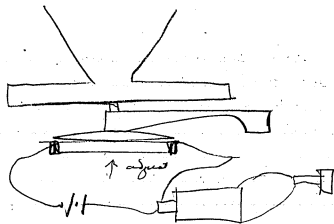
See that spous plates ~~used~~
is made -

Perhaps Tellurium in quantity in
KOH, deposit as $\frac{1}{2}$ on neg & pos
See -

~~2~~ ~~Cell~~ = preliminary, some
 wood to read put in
 several woods & bring
 to 500 or 700 - then
 put in 21% on heater
 for long test. see they
 are flexible - also some
 long stems & only
 browned - also higher
 - also under press heated steam
 to Carbonize or brown &
 form to shape

Also mix ~~Neoprene~~ ~~malice~~
 Carbonize 600 or so - little Corbin
 use - Hard Rubber powder
 also Barium Sulfate -

When stokes ends loaded
 samples & ok make up
 enough for a cell to drop
 test strength rubber also
 test each piece separately



Telepic + high res. wire.
 Cover $\frac{1}{2}$ in $\frac{1}{2}$ in movement.

Dyer - Why not engrave a film to
 run it for ~~over~~ sealed heads for
 small towns scope of the Hall taking it
 up & giving them where a week -
 use mail for films -

Spongy flat or black on inside
Cover of Cell to continuously
stop gases see how long
lasts - ph

put arm & dead in model
under tension by forcing
Cork in -

Raise Anderson
Salary \$5. week -

Bill Buchanan to call
do nothing about
renewal. Why
get new process
no announcement

Patent uses Copper drawing
process -

Use 1/2 inch steel plate
holes in feet. Conduits on
4 pins making it one piece
& flat & solid -

ditto Asphalt Woodgrip
& an oxide, as Cheap
base 1/2 thick one
side & one side -

See what Clarke doing
pat. made of perhaps
Can heat from outside -

Chas. L. King. Keep hope
my hat for 2 weeks
to see if asphalt don't
oxidize -

hurry up 13 1/4 ~~inches~~

also better ~~to~~ ~~also~~
Relax from 108000
also tools here to
make for ~~the~~ hurry

Send ~~the~~ ~~to~~ ~~the~~ ~~to~~
+ ~~the~~ ~~to~~ ~~the~~ ~~to~~
Say ~~the~~ ~~to~~ ~~the~~ ~~to~~

~~the~~ ~~to~~ ~~the~~ ~~to~~
Make ~~the~~ ~~to~~ ~~the~~ ~~to~~

Prod Act. ~~the~~ ~~to~~ ~~the~~ ~~to~~
Records ~~the~~ ~~to~~ ~~the~~ ~~to~~

NO 333 ~~the~~ ~~to~~ ~~the~~ ~~to~~

Woulch ~~the~~ ~~to~~ ~~the~~ ~~to~~

2 Reg tubes wot with
3% KOB, heat on hot plate
to blacken them on ~~the~~ ~~to~~

dill 2 1/2 Lill 1 1/2 -
closed bottles

in drums put in insert so when
sheet of - drive it + it records
during process to cut sheet

Patent ~~the~~ ~~to~~ ~~the~~ ~~to~~

Leap ~~the~~ ~~to~~ ~~the~~ ~~to~~

Patent ~~the~~ ~~to~~ ~~the~~ ~~to~~
Car Eating ~~the~~ ~~to~~ ~~the~~ ~~to~~

Home recording biz. schem
induct. etc - Use of
blow, cheap 10¢
blow - 2 men Rec

~~Producers - The Almost Myth
By Drew,~~

~~Makers of new job by
Rebman Co neg~~

~~Good radium lines by
Wiley -~~

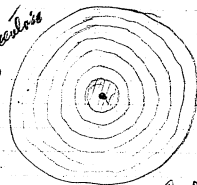
Patent $CuCl_2$ + NaCl
with air ahead to
work gold ore -

Edison heat gold leaf $CuCl_2$
+ $NaSO_4$. MgCl $CaCl_2$ BaCl
SrCl. KCl. ZnCl. MnCl Sulphur

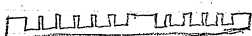
also - Substituted. $FeCl_3$
Mn Cr Sn for the $CuCl_2$
for patent

Moisten Red iron with Plat
Chloride + deam by KOH, wash
reducer for test Fe
dills Cd, Cu, Sugar,

Abolitionists
Consider



Cellulose



+ Variations

show the cell on top

2 from pocket's not
nickel plated -
2 more dup - 4 tubes
long test, to see if
necessary to plate from
perf films + ~~or~~
dills 2 vertical bars
being ground off -

Also film related & then
perforated, for the tubes
3 -
also perforated bars
not ground but plated
3 - Long tests -

Probably is that
formation of Magnesium Hydroxide
from part in reaction
in 1/2 of battery or

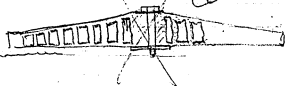
The reason is that long full
loading brings back the iron
is that the Carbon is broken
up -

probably - Rig up a Carbyne
first & get red iron from
RA + used used to metal
by definite amount of
at solid Hydrocarbon like
Asphalt etc
Rig up Reducing app so
any gas or vapor can
be used to make
test iron

~~Probably not~~

Buy from Romberg 25 lbs
of plates & (sponges)
Rubber - granules make
hard Rubber

Petit - Melt Porins and oxides
 Keep 4 melted & take sample
 out from top to line &
 Continuum tell MP get too
 high. Use this to mix
 if flakes more oxides in
 Balls for class -



Be sure Thomas knows
 about blowing air thru
 in disalox solution
 ask how he got along

See with Stokes sampler
 Sample

Make 1/2 doz from phls
 with if lake 1/2 dump april
 for Calc tests -

Permanent diamond in
 Aer Repet & play 333 on
 New Records -

Also Diamond in Hyam &
 Changs (bread to play
 4 min & try 333 new)
 records +

Get blueprints of present
 if lake separator see why
 so much fines made
 & how to fix

find something that
will make Bismuth
more sol in HCl so plate
over - perhaps whole
thing is plating -

find a very liquid solvent
for shellac hot solvent
which heat up in press
in presence of a peroxide
will condense the lac +
harden the solvent

Do some Crano work at
Cement Coaker 20% profit

MnO_2 + PbO_2 both desol
in acids to form diacetates
This for disc. - Red lead
Batch of the fine from getting
the same results + making
brown - noted new process for same

Indiumy Sn_{2}O_5 - disc

~~Adapted adaptation disc~~
Speak in new copyright application
of how it can be adapted
to disc also for a number

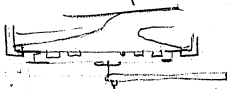
Get Model Cartoon for
blue record,

Try industrial method + also
in presence of Condenser
+ quality of Condensed
stuff = ~~same~~ don't Cond

See if Oxide Aluminum
will when mixed with
 Al_2O_3 condense when hot

Chloride Lead Disc

Suggest to Dyer he see
President of Yale + Toronto
+ other big concerns and
to management -



Celluloid 10 also 005 within
Cemented - also paper -
etc for flexing.

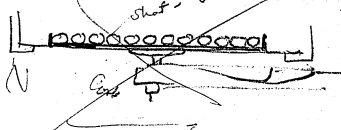
Acetylene will react Cu from
an ammoniacal sol,
1 in a test tube -
get my work for plate

Storage battery - Copper
sponge both electrodes
Not 4504 with little ch
then change - better surface to base

Carbide slaps Cu - on discharge
Anode formed O₂ + the Carbide
sulphate =

This basic salt by many afford
other forms of alcohols to be used -

Send for 1 lb / short bird to
Buckhal 5 sizes -



Ask Goldstein % of 250000 N₂O₄
over theoretical in new N₂
process, 5 @ 6%

GCP taken, projector - for local
light & adjust for percent
for signalling

Goldfilen -

Make test lot slow dry
520 with 1% glycerin
1% glycerol or 1% Tartronic
acid also 3% glycerol
3% glycerol
~~also~~ also 2% sulphate
Ammonium 3% proceum
2% Carb Ammonium
Want see if N. O. H. will
desolve some into gel
slightly crystalline -

Get some of Goldfilen by
Katch B. N. O. H. &
Smith make 1/8 tube
Cell for test -

Petit - add waxen Barytes
to measured x-rays
ditto Sulfide Cesium
precipitated
to sluffen

Tell C. O. C. Try Neocarb N.
unless N. O. H. for Hg O.

Try Emgraph disc a la
Condenser as transformer -
K. O. H. lamp - Cd + Ni shield or
Zn + Ni - also Ni + Ni
but unequal size thickness

See about getting
Condensers for plate Cesium

Make small tubes
of 1/2 inch dia
of the wire of 1 lb
5% for test

Look at Censur for Town
200 to 1400-

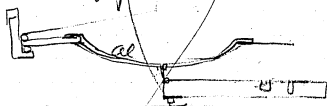
Get that patent for
mfg NiO₂ electrically

Write Hooker Electrochem
Co 40 Wall St New

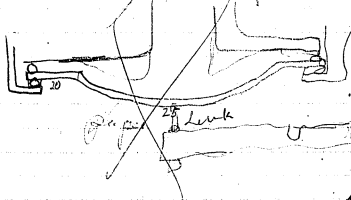
Townsend Cell -
also Magraw Alkali Co

Electro Refining of Cu
24+26 E 21st NY
offers Chlorine for sale 100%
Write them

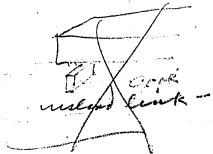
Learn all the Ni Electrode
with Chlorine around
for H₂O cell -



Link - lever opening out slings



Cerium - Sclerolal.
Paraffin - Scapin

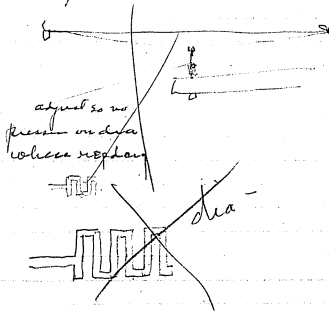


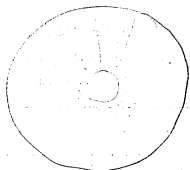
Dyn 605 Town in 1/4 above
250. 80% q. above 600 -

10 Triveller's Star Zircon -
1st month '80. there after '80 month 960
year. 4000 Turns at least,
Life 100 times, 80 ft at 15° to 12°
125 each extinction.

Town giving 2 shirts week of 2 ribbs
48 cents - week - Rent for 2nd week
upostage, weight include for 2nd set
4 new records - 2nd week, in ribbs,
4 postage -

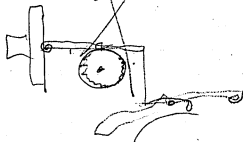
1. Buy film machine + friends + screen
 of 75. ~~about~~ new blue enamel record
 used, washed. + 1st album monthly
 lists. Records on film + 1 local
 Dealer. Adm. film + equipment
 or make. Photos views agent
 to take views -
 Commence service after 25 subscribers
 obtained.





Rig up 4 in x 1 ft factory
plate to make daily test.
8 turn 300 rate -
1 plate daily -

Premium fine selected
1000 threads wire



Wet Push Resin Telva &
4x6 - 1 + Condenser disalva
out Telva by Benzal that
to opt if possible -
Shells

Lee Dyer loan to GCR
about getting back
from Bus Saloon

Get some Washed fines
from SB Co - press & dry
& rec of resin - is 8 for
money -
~~etc~~

Make for 300 unit
of Varying Load
weight of long
drum of green
that is already dry
& ready for use

Use in A. 12. Can $\frac{1}{32}$ block
in A 8 = ~~Double~~ ^{Double} ~~1/32~~ ^{1/32} block
than A 4 -

See if all ~~of~~ ^{of} ~~the~~ ^{the} ~~what~~ ^{what}
been done to get a
Camera for B. you
should have 3
for Bronx for 2 & 1 outside

Drop 20 ~~of~~ ^{of} ~~Reqs~~ ^{Reqs} ~~from~~ ^{from}
a period of 1 year by
drying at 212 for 48 hours
+ turning night ~~and~~ ^{and}
especially drop those which
are hot + now running

Investigate why Rev 72
not assembled promptly
+ what is necessary part John
tell it -

Ask Peter what ~~are~~ ^{are} the bugs
in Cellular ~~records~~ ^{records} -

Drop ~~danger~~ ^{danger} of ~~an~~ ^{an} ~~unusable~~ ^{unusable}
record - If ~~we~~ ^{we} ~~use~~ ^{use} ~~individual~~ ^{individual}
name should not be used
but some other word

Ask Abrogel about bug
let Cabat.

See Weber at platten
on disk shaft small
Reinforcement of arm

See Aiken if ~~we~~ ^{we} ~~see~~ ^{see} if
Records ~~present~~ ^{present} ~~with~~ ^{with}
platten with Rebs in -
4 0 5 -

Also about not backing up
good records yet till 10% full
Exams

Have us proceed in Saphire
dept if so while its present
men making big rings with
glass -

See what diamond glass
Ornately & light saphires -

Get one of the after
being found near
up here for test,

Wagon Room -
Phone -

My friend Sal alladin
Co & what other
notes for future
purpose -
also my Nach

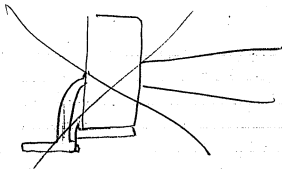
See if Weber has an
auto phone system present
Tech, see -

Miss when does a Cal
new man come

Have Rogers come out
See -

Weber - present method of
recording diagrams. No
must be recorded in

Johnell (181) 00



See if BSS-Condenser will
 acid & formal - if it is
 an alkali or acid -
 if it dissolves rubber

find talcum (melted)
 for pure rubber

Dyes Parovs is selling lots
 of Muehner in England
 Do we sell many

Goldstein Try Muehner sulphite
 & check for flakes

Make 1 tubs each of compound
 in Schuncke - Kott, such as
 Sulphate Ba 3-8, Phosphate Potash
 Chromate Molybdate Uranate
 Zirconate etc to see if
 Cant get a per salt
 to replace rubber

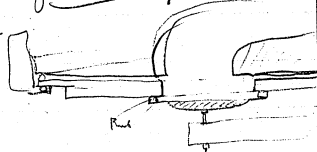
Make, press various
 amounts of Ferrus with
 Ferric Sulphate, as long as
 clark, cover dry & long
 also quite at various things
 & give sample, precip with
 NaOH - also Try
 Chloride Ferrus Ferric
 & precip with lime
 Precip at various temp
 cold & boiling - dry
 slow & fast also

ignite various parts of
former furnace assembly to
drive off all the acetic
in closed still -

Pat'd Mix Asphalt +
20% Sulphur flower in
mills - 2 Sulphur
then separate by
solvents - try
several asphalts
this way

Prep. form. Sulphur cells
Carb. No. then ~~to~~ the
Carb. in strong ~~acid~~ H₂O₂.
or by heating it in closed
vessel

See Goodman about getting
a Singer sewing machine
wagon -



This is my dia
Double Dia

Discolor white Cerium
in Benzol with a red or
black ~~and~~ dye flow and
viewed also alone
without dye to see if point tray

News inf

L Moore

Chgo of Industrial Room

Worson 15 men -

Come from Cleveland
Grand ~~Grand~~ large man
was with Natl Cash

Register + Underland
Hard Rubber went to
with Worson as Toolmaker
as his Rubber job would
be to work on -

W J Trubekany

Auto Electrical Co

Chicago - April

Supt. (pre-ouch)
with William (re)

was inspector
gives form, 15 yrs
High type man

Gov. Johnell the Reflector
that came off Newark
Main Lamp - also get
one of the Roller pen lamp
with reflector, have one in
house -

Battery Co start Complaint
or defect back of all
troubles outside

Frank Sager,
National Cash Register
Had Chgo Tool Room
once 105 men left
went Yale & Towne
Went to Chicago
Now back with
National Cash
Reg

See Walter Miller at
once ~~Walter~~ in his
labing ~~Walter~~

Charge a cell fully then
raise the thermometer & let it
warm up to 100 F. or
thereabouts

ditto ditto Oxygen

ditto put in KOH with strong
 H_2O_2 -

Is it safe to let it or rub it
that makes big cells go
brown & black

in old tubing place
is bottom stop got
Ballo -

Paint ⁽²⁾ tubes with a solution
of Benzoin so it sticks to
tubes, to take care of the
hydrogen on charging
also paint inside tubes

Paint inside cell with
cloth around the tube to
keep away hydrogen

Will H in KOH 21 2 li red wax
 H_2O if so can put inside tube
with glass & they will
accumulate on chip
of H_2O & H_2O_2 - collect
will take care of H,

Handling to measure
solubility of H_2O in KOH
would be good ~~if so~~
if it takes no time in
drying

also ~~if so~~ ~~if so~~ own
the highest with Cobalt

See Weber about his
inspections. Nearly
certainly we get as
defective ~~test~~ ^{test} him
about defective things —
How about Chief Engineer
to be held responsible —
—————

Possibly H_2O_2 formed
on Hot Box valves. NO_2
reaches catalytic point
then H_2O_2 formed & prevents
further oxidation of NO .
 Bi prevents, also HgO & di
which causes amalgamation
Cobalt may do same

Walter Miller — to his
friends — probably if
he uses rubber tubes it
acts as a ~~filter~~ ^{filter} from the ~~air~~ ^{air}

Run a test without
Clockwork ~~test~~ ^{test} at
high speed,

Write Program
to price the Tools
Rogers list —

Harvey was the ~~man~~ ^{man}
with the ~~clock~~ ^{clock} for
Records & ~~Discipline~~
Control

Program Sept on
Train —

Gravel = MnO_2 is fine in
plates & used in Electrolysis
as anode

Dry rolling out wavy cellulose
also use cloth, silk & shellac
etc to make diaphragms

Gold leaf - Try Sulphate Cu
instead of $CuCl_2$ in flask
Solubility

Try $CuCl_2$ ^{also $CuSO_4$} ~~Na₂SO₄~~ as an
battery Cu Neg. Carbon P
or Silver

Take Reg from heat with
21R + def of anion. ~~Expenditure~~ =
S etc on plate ~~porcelain~~
dish covered to ~~concentrate~~

Gold leaf

Try $CuCl_2$ & $CuSO_4$ as
flask

also Quantalium run down
the Ni Cu Separation by
H₂O₂

put a spring from hand
support with unscrewed
nutting or screw

Chambers 2 $\frac{1}{2}$ oz press
to feed. try tin ~~or~~
Tin

Make a Register for reg phone
with up to date things
pages & book a weight brought
for ~~unlabeled~~ 25 lbs.
change as possible on home

2 tubes with sec Ni mixed
with very fine Calant Hydros

also Ni(OH)₂ beaded with
Sol of Co Sulfate, then Kott
then wash & dry -
5% Co put in

Disc Sphs - Can use plunger
spring & thereby increase
weight, plunger yet same
pressure on - try this
to prevent crumbling on
Heavy notes, with 2 oz
Make an Extra 15%
Can keep up del -

Tell Persian ~~get slight~~
portion on

so far as
right side

Try 3 gram piece Al₂O₃
from old Silica in a beaker
Sol Knd - 1000 cc
Trouble is Si from the
silica

freeing ~~with~~
K Silica, etc of green
is OK with ~~recycling~~

Try again, call up chain
by washing out all K⁺ & by
using Hydrosol, as in
acid salt - to remove Si
ditto not with which
disal on Si -
Gives Al₂O₃ Cone

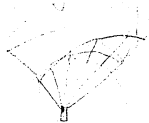
To make for use of some ~~silica~~
& a little water must dry out
& heat in ~~hydro~~ to get it

Pierman. You know
with 10 ft. base. with
extension on base.
also from the top up



10 ft. base
Extension on base
also from the top up
State - no base

See if principle of an
electric line can be
applied to a ground



~~Patent new Sulphate Cu
flake process - 100% air test
in which ~~injection~~~~

~~Pierman plate of variable
note horn by using
variable speed phone
recording the first horn
on it & then recording
speed, like 2 mph record
hard wax~~

~~Pierman note record
Run out & then get 62.5
from Horn -~~

Mary - ~~Back for~~
~~Chick~~

B E Brown

Popular Bluffs Mo

Dalton & Sons Co -
had the St. Louis, Mo. Co.

He is from Elgin Ill - is
old Cash Register man

Foramen

Joe Glue, old collector

+ Cash Register

Very Capable foramen

St. Louis with ~~St. Louis~~

Wagner Elec Co

St. Louis -

Tom Rutland Engle
at Yale ~~Engle~~
had the ~~several~~ ~~depts~~
also ~~Engle~~ ~~man~~ ~~also~~
had charge large Dept
Glaufer Co 35 yrs

J. Harris - Wash Co.
Engin force work ~~Engle~~
also ~~man~~ ~~also~~
is in Newark ~~35 yrs~~
35 yrs

Ask Walter Miller
broken he gets his
new disc. ~~records~~
I cant have one of
his old records

~~Put~~ put up $\frac{1}{2}$ photo $\frac{1}{2}$
~~from~~ from ~~exposed~~ $\frac{1}{2}$ set
Every 3 days —

~~Harry -~~
Crommager — Amen for ask
to put on pay basis, Prov
needing 20,000 yrs Sal & Comm
Crane

~~Test for Blister~~ put
Records in box at 100
Fals for $\frac{1}{2}$ hour —

~~Motor for a~~ through
Mono Mercury
No hum, Governor
Glass friction — ~~smooth~~ 1950
or high speed ~~old~~ smooth

~~Winding -~~ many com bars

~~Old Black W~~ D 247-OK

~~Non plated tubes with~~
B1 gone bad, without B1 OK
Theory is B1 OK is reduced for
 $\frac{1}{2}$ & deposited no metal
& this discharges the
Ni — If this is
Correct, the whole tube, ring
& grid should be made of
Ni or more perfectly
plated —

~~Piercing~~ acc of Can
Olap brals ~~from~~ horn &
voice by altering
position also double
horn

Put up 2 Long tubes
in Reg test cells with
2 8 gram boxes ~~see what~~
10% salt. Run H. Limes
then connect can to #1
and see what ~~for~~ than to
H₂ & see what ~~get~~

Get 25 lb ^{each} of all grades
of shells & test for
Residual, bicarbonates etc.

Look at Reg. tubes &
see if nat. test cells
down with link
perpendicular.

Pierman 4/ horns base
middle - High & soluble
Try 1 then 2, 4-50 on
also use one horn & see
how far away & how weak
it must be to stop testing

Regenerate tubes, soak
till neutral, put in
a salt of something & see
current & porous temp -
If use NaCl, Cl formed on
plate may clean it
hard reduce by ream & allow time
to permeate only then remove & scrub
Make 2 test cells with
hard rubbers also the
Tap to get rid of ~~some~~
metal -

The arm that holds the friction
pad on governor of Records
may have a note. This should
not be an arm but a rod in
Even when a Motor is used

Pierman got 160 ~~thousand~~
Records of ~~supra~~ ~~brake~~ ~~very~~
light to ~~burst~~ for waves on
vibrant

Also may be ~~waves~~ (long)
in turning off records
There is a hum from high
speed & this affects the
passer for a while

This will be shown
by light speaking & Gray
noise

Tell Walter, Miller when
time short & don't feel
track it out, Andrew Cant
tell

Square desc. then get in book
form mechanically so each is
removable -



cover

on back give names -

desc. round but fastened in album

See if Mandrels have waxes in

Rock on disc should have
first teeth possible in
lot lower ~~collars~~ ~~collar~~

Shaken / make 3 or 4
123-444 thin -

Try the 2 ~~perum~~ records
on a motor ~~known~~ ~~reproducible~~
instead of the Clockwork
Reflex -

Dry oil black 246 in
Tetralene

Tell Walter Miller
about Black record
way

Take bad cell wash out
KOH, then put in Conc
NaCl, put current on
amp for 10 seconds, then
wash out - & put in
KOH to run Reg -

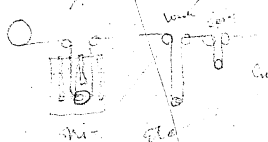
Same but Na fluoride

Tell Baderman several tanks
level ground system a filled
Shedding of black lead pipe
Pencil Salt in -
Don't get all Cu washed
from plate using CP -

Deep 10x11 2x4 Apr 27
Drawn jar for small battery
Anderson

Dry Cu 904 of CuCl₂ on paper
also Hg 904 of CuCl₂ on paper
of it deviation
Try also organic base with CuCl₂ to
dissolve paper instead of Hg

Flake ~~on~~ Copper band indicators
bas, put many on all plates



Heavy ~~Wires~~ are the poles
on Florida ~~also~~ House
in Park ~~—~~

RA Make some $\frac{1}{2}$
with 1 3 & 5 $\frac{1}{2}$ Co. G. C. C.
in it from steel plate

Greenly plate $\frac{1}{2}$
screets 6 sets with
thick Cobalt —
dillo & tubes

Run $\frac{1}{2}$ with 2. Reg
Tubes — also with
2 Co plated tubes

Acet that ~~Slings~~ is
Copper ~~Charged~~ in
Sphers —

See Dyer next to keeper
for ~~Lawson~~ right answer

If trouble is due to too rough
Dross surface with R. $\frac{1}{8}$ inch
Cells use 2 grids of tubes
together to one row —

Good way to insulate Nickel
plated parts from engine
for instance gold & plate
pieces in to oxide surface by
very intense flame
Make tube base of greeny
stopped from oxide surface
if No — try it

Think the gas from shells
is due to the gas in the shells
Hav X Ept on a way of
getting it out, ^{filling up filter 150}
~~the the way~~ ^{3000 mls but}
^{substance in them and}
^{is bubbles}

While I am at it I
ask that one of the
people come out when
they get the pump
ready. ^{1000 lbs. say get points pump}
^{for heavy specimens of gas less}
^{used for what is important}

Will be right in it when
I so come out that way
I got under the pump out
at

See if much wax in the
Red Trumpet I see 4%

Tell Pat & Ott that if they
bag their gas they can keep the
Milled with a few lower bags
at the bottom then now range
low bubbles of all radiations
lower must be made up by
a higher bagged bottom
also a cover was I,

See Braden got Mendel
Tray - 2nd row
proof of both boxes

Put up 4 tubes 2nd row
which P Cowley can
2 N2 to can run
H2

Dyes if Lunsden can use
his name & go into biz
again -

Dyes meeting of
Lunsden Co. Co.

Get Lunsden Co. Co.
in all right -

Paint all parts of a test
cell, tube rings, & 2 p. cells.
Hollow 2 1/2 with platinum chloride
& bring to red in hydrogen

2 cells with 1 gm Pt chloride
in cell
dillo 2 dillo 3 dillo
5

2 cells with 1 gm Mn hydrox
2 " 1/2 " "
2 " 3 " "
2 " 5 " "

Gravelly plate all parts
Rings, tube grid & wire &
parts with cobalt &
hydrogen, 2 cells

2 cells, 1 from ZnO, 1 PbO
2 " 2 " ZnO 2 "
2 " 3 " 3 "
2 5 " 5 "

Get on oxide parts - Ox a strip
from tube then clean inside & make
tube Ox rings Ox 2 1/2 stock & clean
also Ox all inside clean at
crump, do enough for 4 to 6
test cells (small)

Take 44 Bz cells old one
that will not come up
put in 5 grams KOH, another 5 grams
Seems wants some impurity
in KOH, to work better

Cells has 150 cc per tube &
big cell only 12 cc per tube
therefore there must be something
in the 150 cc to make 1 tube
ok but lacks enough in 12 cc
or BzH has 12 times less liquid
to dissolve in outside -

Use Bz cells & depend the space
by making cell narrower no
filler except hole opening -
Sp. cell 25 of them for
working by using small cc of KOH
is sufficient in BzH

~~Aiken - GWA~~ foil
instead of using paper
How about backing up cell with
graphite -

When Lamp Co man comes
bring in Green to talk over
substitute for Nearest.

~~Aiken - GWA~~ How many
times have they passed one
month, if not many they
should keep at it until it
shows limit,

~~GWA~~ - suggest Newspaper.
Paper Machine for stereotyping

~~Atteney~~ - a thick sheet
sheet of Miplolet Lins look
plate for 002, then reduce
to Cu wash & strip

~~GWA~~ - Sheridan by spraying
Mallen Zn tip etc on
Copper backing

QWA - Vac + det metal run in
cos delivery

QWA - Scrape to ~~exit~~ on steel
hardens plate, ~~+~~

Look at Cast iron plate Micro

QWA - The Car reduce Bi -
then, when alloy sheet put on
about up fusible alloy made
+ it 2 others with

QWA - Analyze the Copper
then put in for 1 hour heat
Hq. Hainbridge get vapors of
Bq + no ~~of~~ ~~of~~

QWA - Use 3 or 4 very thin
foil to make up the cos

Electrolytic Transference
KOH, No P+N are very small
the other very large, this shows
give differential action -
Magnesium - at in saturated at 100%
Also Zn P+N. Try diff strength
KOH, a diff volume in this
principle - + 1/2% of
Balt, in the KOH.

Make 150 thread small cylinder
1" longer to get 4 min
or 1/2" longer & longer dia
using Diamond etc

Take a standard sec
govt is set 160 then
Run over 3000 times
Note every 250 times
Speed of machine

Davy get the Edison
Group certificate for
wifes & fix it up -

Reins - Estimate Tools.

& appliances or Cost
for 10 20 + 50 wagon
Hudson Bay -

P

Reach, what size metal
do you use on big &
little Car and how the setting

Schriver Filler press Co
Harrison 10

Preservative NiO₂ from Sulphur Ni
by NaOH containing 5% 50% water. Ba

Potential Content of formic acid process
" Lavoisier Wash water of water

Edison to ring up amperes & 1 meter &
single axes pure Ni & test
Emp on ch. - dis with def stuff
in K₂O₂. Also 4% strips, second it
try oxidizing Ni by pt -

Try 4-6 & formal on (boiled) benzene
try phenol on meat, allow 4-6 -
or formal -

Imp powder, moistened much, boiled
decreased heat under pressure to
Condense oil to rubber &
try little Benzol-Me or Fe₂O₃
to oxide

Bliss run ^{new} ~~at~~ Torrence on Coast
then up on hill get drops
think by dropping & ads
Pommes & Malters & Nat
malters -

acc of Ben not Counton Claims
on a building Malters
where drop in omakes is a
Curling? etc -

Patent way we use Luthin
" Brown with Insulated
Ends -

Have we patented way of
Curling of Cakes -

Qrs only make ~~some~~ acetic
drawn 008 006 005
0014 003 - ~~plumalters~~

Tell G.W. in des
10 lbs Acetic Cell
with instructions

Try platin anoder Cathode
lay paper on + use Acetalok
see if acetic radicals attack
paper, also try acetals and so
then deposited & acetic alkaline
paper, see if anything dissolves
same with Nitrate to test
NO in -
Could shine Carbon at all
this way -

Acetic acid dissolves
shellac ~~try~~ - OK fine

Condensate bagged for
animaling etc for 1 Horse
Truck - ~~Send~~ for wire
with for ~~send~~

Square top for Cement
Amberal

Make another crepeless
Parker Angles little longer
Leaves, 4 1/2 in. T. & 10 @ 15
chaphin string connect
soft,

Put burst like 1/8 on top,

Withdraw Anderson's notice
See Miscellaneous gets full
drawings of 10 in. &
10 in. & from 7 in.

One old cell soaked thoroughly
till through the bottom & sides, &
then put in 10 in. &
use heavy current for several
min. Recd. by
Francis to ~~the~~
Chl. Cd. ~~and~~ ~~in~~
10 milamp Et for 10 min -
then transfer to 10 in.

Dry lac seed with ⁷⁴⁹⁰ powder
then up very fine thin heat under
pressure

See if tellurium plates out of
Rb & Sal.

Dyes start Crochets might
take 100 gals. probably requires
at expense ~~of~~ orders &
shipments like new &
Auriferous & then separate
so we can see just what
scale requires

Can't arrange for Ballum
Ask if tellurium is about
hard if put in there only at
Widman & would control

How about Patent new
Ryder & others in England
Manning & Blue River.

Tickling about lead people
get their economy by tapping
Clay - we can do this but
publics want taxes & ours
don't want license for lead
Ask Smith see answer of tapping
Changes in the oil
the highest possible economy
in the oil tapping Clay
at this time

Field data in Ulahe basin
Sulphur like iron
make Basco Sul Cu many
per Chloride Iron Sulphur
white sec of good field iron

Tuesday Canyon
Meeting Steadville
7 Thursday over to Ulahe

get quadrulation on light
thinner alone
get easy fusible slag
blow air through to
make porous material

work up Victor Kipper

2 tubes Ni connected to
Can but cans made not
plated + Bi reduced on it
Duf connected to Iron

2 Tubes Bi $12\frac{1}{2}\%$ Ni Conn
to can - ditto to Fe

get out of Ulahe
if possible

Get needles also bamboo
put box on test for wear
of the needles.

Paint 2 tubes & grids with
Fluorine Chloride -
Make test plate -

Bridges 2 tubes & 10 stock
from tubes, clean inside
oxidize grids & put on p
2 cells

See how small cells get on test

Paint 2 tubes & grids with
Samarium - Test cells -

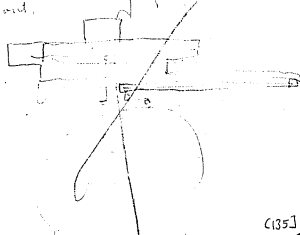
After 48 hrs. Nickel Sph
make some oxygen
cells & fuel -

New Sph. Medium to 2 ween
test on a Comel record
500 times $1/2$ over,

Show Watters, Phillips
Youngs & Phillips record
see if it shows this record
if not then again this record -
Test Youngs record -

KOH, also in the electrode
form it tells you Bad.
Then see if it recycles -

Make new R.G. Sph
draw out.



Dyes - present ~~in water~~
nickel 62 cent ~~4 cent~~ had
with present ~~big~~ ~~inflation~~ -

Unsuble

2635 Wabash

ave. 3rd floor

White Bldg -

Room 100 Tray

Want wire for

50 Cars with

best take - ~~best take~~

action St = E. S. Ball

garage -

Daily ^{glass} ~~needed~~ tubes put up
2 A4 for ~~endurance~~ test

use some phos lines -
fluoride lines, other fluorine
for cell insulation -

Carry ~~the~~ Draxide
in tubes -

test all insul by drop

also all insul
salts in tubes -

Ba Sulphate, Sr Sulphate, Ca Sulphate
phos nitric, Oxidizing ~~acid~~

Make Water Mixture
1/2 oz for pouring seconds

Dip inside can with Petrolol

2 cells for test B4

2 Cells B4 ^{using separator} ~~using separator~~
also ~~using separator~~ ^{using separator}

0937

Paint $\frac{1}{2}$ inch ~~thick~~ Chepat
for test -

Coat the strip by brushing it
in strokes ~~of the brush~~
Then scrub ~~with the brush~~
Change it -

Asphalt under B4 with
Asphalt in Benzol.

Dye Hydroxy ~~dye~~
was 2 minutes ~~in~~ phos,
all such up to 2 days ~~depl~~
inform heads -

See Research about ~~the~~ ~~the~~
factory -

get hot pure no stripes +

use, 50 cc KOH 2 L. + add

2 grms of every variety of
Chemical ~~run~~ several hours
for paper run in series use
bottle - ~~stop~~ with Valmet.

Intubed by Antimicrobial of
B₉ Chemical ~~Molecular~~
Sungate B₉ Cell Ni Hg
Fe Ice Ray, Co.

Japanese paper for discs
Vines instead of cloth.

What is in Eley Copal
Eley gives a very much
thickened ~~to~~ ~~the~~ ~~the~~
glass ~~to~~ 150°C
stands a ~~change~~ ~~of~~

$$\begin{array}{r} 446 \\ 133 \\ \hline 1338 \\ 4460 \\ \hline 130 \end{array}$$

$$180 \overline{) 57980} \quad 325$$

130-

~~$$\begin{array}{r} 383 \\ 276 \\ \hline 107 \end{array}$$~~

$$\begin{array}{r} 35 \\ 11 \\ \hline 34 \\ 35 \\ \hline 35 \\ 28 \\ \hline 3080 \\ 10 \\ \hline 3410 \\ 146 \end{array}$$

Springs notes -

2nd Spring out 10/1001 - bombos. *Alouatta*
abstains from work & soft - takes every
occ. of soft. Has a high note
at evening while runs out through branches
whiles downwards - 1 to 2 or 3 or 2 or 3
Then Reple work for hours
Down with 2 to 1 hours or nearly
down as Piths or 2 or 3 or 3 or nearly
as good as Piths -

Pineapple US 9/9 5 to 10 ft Pineapple
88 ft. Cinnamon 10.5 c
foreign bills 5c sold at 8c

1.35 ft. Cinnamon

Expose grass to US.
dillo to light. Test in cell

Feb'y Account 7220

Labor & material (estimated)	6 52
Trucking Exp	2 35
Selling	68
Shipping	17
Two trucks	05
is dily	50
Hotel, dinner	61
Rent	19
Tax & Ins	04
Interest	35
Cash etc.	16

\$ 11.75

Rec'd 11.00

5/30/4

5/3/4

61 lbs Melaleuca Oil lost in wash
water per Scott Crane per
day 20 hours
1000 gal 1.100 density lost by 5
Crane in 6 days

Feb

Geni fixed Shop Exp -

Foreman 2011.

Maintenance Tools 5065

Supplies & Exp 2601

Light House 2892

10558

Test Dept

Foreman 100

Wages 569

Maintenance 93

Supplies 84

866

Inspection

Foreman 241

Wages 1885

Maintenance 81

Supplies 66

2273

Lab testing 1175

Rent 1378

Taxes 103.

Ins 246

Bond out 2500

4227 grand Tot
17924

Selling

Selling 4874

Advt 4684

69611 Catalogs with

Administration 4381

613939

practically 31863 fixed

Based on 7220 assembled it
is 441 per cell

If 12000 turned out Cost would
be 265 a unit or 1.76 per cell.

Jaeny Cost Battery

Material	3.93
Labor	1.63
Fac Exp. Equip.	3.03
Battery Equip	10
Tray complete	31
Electrolyte	33
	<u>7.33</u>

Sellings duty at	1.38
Administration	- 70
Rent Tax & Insurance	22
Interest	39
Cost discount	13
	<u>2.82</u>

Offing	76
Shipping	10
Insurance	02
Duty	50
	<u>1.38</u>

Rent	16
Car	02
Gas	04
Interest	39
Duty	12
	<u>74</u>
	<u>2.82</u>

Print Price Submarine Cells

Type S 2P (52) up to 20 P
(520) \downarrow 135 \downarrow RWH 3 hour rate
to .9

521 \downarrow 125 \downarrow at 3 hr rate

N 14 - under of 17? A size 1/8
Liber put in A8 Comp hour
A 12 pallets (10) RWH 3 hr
rate

Greenley photo 1/2
doz Libers photo 1/2
Cobalt photo 1/2
12 photo 1/2

Connect slave B
Cobalt with 171
and tube 1/2
~~put 1/2~~

Remembers bad $\frac{1}{2}$ in Great
back by long low ch² wheels
Rog & H¹ packet 250 bank run
in small coil around 580 @ 11.00
given after 30 hours at 200 Milsamp
1200. 1775. 1900 - the original
was 2500.

Mallory Estimates, 1911

1.800 000 Gals -

Cost 55¢ 8¢ saving
10¢ interest Total 73¢ Gals,

average price paid for 75 cents
obtained, 150¢ Mils, 155
to 80¢.

Cork paper 006 paper
weights 860 mls - $13\frac{1}{8}$ dia

1800 / 7558 (416
42520
30630
12470

1800
1260.70

Notebook Series -- Pocket Notebooks
Notebook, PN-11-05-15

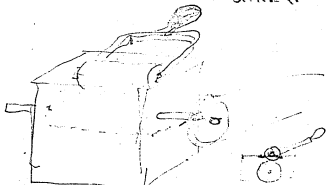
The two dated entries in this pocket notebook are from May and July 1911. The book was used by Edison to record ideas about business matters, experiments to be tried, and other tasks to be performed. Many of the items have been crossed out. Some entries appear to be clean transcriptions of entries from PN-12-04-17. Included are notes relating to battery experiments, chemical additives for $\text{Ni}(\text{OH})_2$ (nickel hydroxide) in batteries, cell regeneration, and new battery models. Also included are entries pertaining to veneers for disc records, talking pictures, and battery-powered trucks manufactured by the Lansden Co. In addition, there are lists of inventions to be patented, data on costs for various materials and parts, and talking points for marketing and promotion. Some of the entries deal with Edison's upcoming trip to Europe, such as obtaining passports for the family and finding out whether a duty had to be paid on cigars. At one point, the inventor reminds himself to "take new memo book to Europe" [probably PN-10-00-00.2 in *Thomas A. Edison Papers: A Selective Microfilm Edition, Part IV*, reel 178, and *Thomas A. Edison Papers Digital Edition*, NP086].

Among the numerous Edison employees mentioned in the book are Edward L. Aiken, assistant superintendent of the Edison Phonograph Works; assistant engineer John R. Anderson, Jr.; chemists Jonas W. Aylsworth and Ignacy Goldstein; master machinist Robert A. Bachman; chief engineer Donald M. Bliss; Frank L. Dyer, president of Thomas A. Edison, Inc., and head of the Legal Dept.; William H. Meadowcroft, Edison's personal assistant; Harry F. Miller, Edison's personal secretary; machinists Sherwood T. (Sam) Moore and Albert F. Wurth; and machinist and longtime Edison associate Frederick P. Ott. The pages are unnumbered. Approximately 150 pages have been used.

May 15 1941 - J. A. Johnson

Greenly = Plate finish with Co. Green
for 2 test cells - grids also
use Co 1% Green -

Polym - strips in plain Kott
get Voltage -
ditto amalgamated " "
ditto " " in 21K2Li

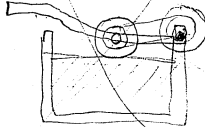


Coat Blue record by bringing
dose up to Record by
rotating cylinder

NO 1

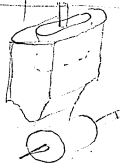
11-05-15

No 2



Dipping -

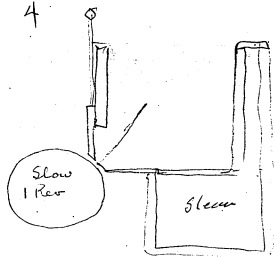
No 3



Plunger + pest slot under heated
ingot Teflon-squirt sheet
Extra free block for 005 3 or
4 times around 11 on 1 an

Expt ~~Removal~~ -

4



Note discs $\frac{8}{3}$ $\frac{10}{5}$ $\frac{12}{7\frac{1}{2}}$ disc
sell by Minute

Ground high carbon steel $\frac{3}{4}$ plate
ground matrix $\frac{1}{2}$ plate

~~Japanese tissue paper for disc~~
Removal

What is an Ester Copal Ester
gives varnish not attacked KOH
or acids. stands 180°C

Mi pure clays, many cells corner
21 K 2 L + 2 grains ~~2~~ dried material
in Sels get drops

S22 Beach about ~~Licorice~~ factory

Dyes ~~Hugham~~ ~~delivered~~ - 2 months
bills ~~much~~ ~~should be~~
done at ~~fact~~

Wicks Walter Miller $\frac{1}{2}$ of
up date super but round table
secret

Dyes - ~~economic~~ photo -

Wrote Linnell - 2 garage 2635
Washburn 3rd floor white
bldg 100 box price were de
a low chg rate. Sub station
across street -

Dry dry Oxalic in Cement so
when mixed makes free SiO_2
+ Ca Oxalate for hard set. ~~grout~~
also Bisulfate Na - dry powder
" Neutral Sulfate
" Oxalate Mbl.

No 4



Glucosyl Acetic Lactose Nitrocellulose
glucosyl gelatin Acetocellulose +
Casein - try lac + Nitrocellulose

See if Acetic affects Montan
if not can dip -

Phenyl Acetate - unusual solvent
for such as it dissolves Shellac
& Resins & Nitrocellulose with
equal facility.

Acetylacetone Tetrachloro-
dis Shellac & Acetocellulose
its universal all round
solvent & mixes with
nearly every other
solvent, BP 147°

Try Shellac & Nitrocellulose
in Amyl Acetate -

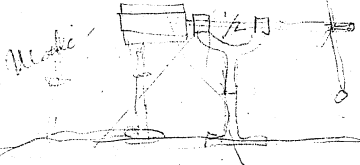
Amyl formate is best
solvent for Nitrocellulose
Shellac does in Amyl acetate
so good as formate which does
fine job

Shellac does in ~~unusual solvent~~
& Benzene ^{with little friction from the liquid under} or any low BP
inflammable liquid is
dipped ~~into~~ then Burnt off.
~~also~~ as soon as dipped the
exposed, this draws off the solvent
Melts the lac, all air bubbles
escape & the solidifies to a
film of bright glass & great
strength - P 338 Nitro Cellulose
Vol 1

Goldstein Ni, O, $\frac{1}{2}$ / $\frac{1}{2}$
Vanadium Mn Mg Cd Hg
Fe Cr Sb Se Cu Be
S Se Te Mo Wt Paraceticum
+ ~~moderum~~ Thoms. Co. Hg Sn
61 Zr Ca Sr Ba Erbium
Indium, Lanthanum, Wo, Al, Li

Also 520 NaOH & 5 Litres -
also this with $\frac{1}{2}$ % Co

Y. Hall



Al_2O_3 in H_2O , small & large electrodes
see if any recalcifying —

Test Reg $1/8$ " disk on loudist
103 mcds of hr 300 times $1/2$ of
it —

Paint a test strip with plain
chloride test — test paper

Experiment on easily
favorable chlorine delays to
get a pure color for analysis

Go over to W.H.

Soak out old bad cells put in
 NaCl etc reverse in $1/2$ hour
then soak out every trace of
 NaCl then put back on
to make Cl for 10 min then
soak out. Run Reg —
 CdCl perhaps better as Cd
depos. Cd ,

Phos tell him about
concentrations, solids & liquid
for 1 hour —

Presently make some
cellulose acetate diagrams
08 026 010 015 0057.

Patent formative porous
approaching sand, fine cement
& reinforced plastering in
angles to G.C. & leather.
Damping etc.

Patent way of $\frac{1}{2}$ inch $\frac{1}{2}$ in
C.C.C.

Patent Home Made & Little Combs when

Patent Drums for Cakes
with unsalted seeds

Patent Receptacle for
Loose work

Send data to Baldwin
Loose work

~~Mine & Anna~~

Dyer New Exter England
gypsum etc

Waller Miller '02 should
have 89021 Red Seal
Kohengui - Du Armet,

Dyer 2 out of 3 ~~implies~~ bearing
new Spks before the gas
1000 -

19

Vibrato 19 = good working
slips belt 5 times Rev

20 = frame of blackwork stressed
three gears & has a vibrating
time, @ 6-sec

21 = In passing one groove divides
the other & it beats against
the of Rev varies in one turn
also ~~recommends~~

22 = Record disk moves on
platen -

23 = The recorder itself has
a 5@6 per sec vibration
rate,

24 = Vibrals due to record groove
not clearing from center,
5@6 variations from center
causes diamond to track,
moves up & down & down towards
bottom & then across volume
good -

Air blower ~~chops~~ in line of track

Repairs needles & stylus
micro,

~~Japan a flat Amberula
Cabinet piece of Corvair~~

~~Condensable Drapellias for
flake - Galcholan Fry~~

~~2 tubes 2 gram KI - Total coating
2 tubes 1 gram KI first disp element
2 " 1/2 " KI in Reg 21 K Li
2 250 milly KI then put in
2 125 " KI Reg solution
Containing the KI to get rid of KI inside -~~

Just send RI use KIO₃

Duplicate these using
only 21K No Li

2 Tubes, var KOH 21 2 Li
which has been electrolyzed
between large surface
of Ni-plated sheets to
remove iodine -

Drop 2 tubes. The No 04
being made by precip
with LiOH.

Drop above with

No 04 precip by No 04 4

Make gal of the KOH

KOH 21 2 Li - cell as before

to get rid of iodine

Patent - Concrete furniture - reinforced etc

" Spel Wax + 16 cells

" Method adding di to cells, forming
forming for flake - Condensate etc

" Regenerative cells

" New holder for new di/c spls

" New way for platen for spreading discs

" Home shaving - Big shaving

" New setting of chains

" Funnel introduced to one side and used

" Disc drawers - runners etc

" New filler - valves (X) (X) (X)

" New Coats,

" New 1/2 inch machine

" New submarine cells

" Oil Color cement for records

~~Get rid of iodine (X)
that got rid of as iodine
Iodine in new No 04
& KOH & LiOH,~~

Hutch, ~~London~~ used Kott
Amalgamate part of electricals
Kott Hutch Song also K. or
W. Hutch K. -

Measure Sulphide used in
Kott,

Go over list of records
not yet placed on records
into Michael's shelves
& have a meeting & decide
what to do -

See W. Bar ~~different~~ to do
New Rep. day

~~Admission~~ Go ahead
Cheap ~~price~~

See we got 25 lbs
could do ~~next~~ -

Have Blum record the
Reo field, amount &
length & accumulation &
accumulation of ~~Frank~~ Elton
20 V measurement of
use in potential ~~area~~ -

Angels screamed, Swannee Riv, Rott Adair
old folks at Home, Coming from the eye,
Old black Joe, Ave Maria, West Maying
Home S Home, Massacled Ground, Wandering boy
tonight, Rosary, Nancy Jean, Song that knew
My Sambo, Quartette, Trovatore
Every Star Touches, Lady Love, Last rose summer
when Swallows were around fly, Kathleen Moore come
generator, Hearts bowed down
Come back to Erin - Killarney
Liquid Condensate for bamboo paper
diaphan heat under press.

~~Vancouver~~
Goldstam Ferric of amorphous state
by igniting at red heat for 2 hrs sulphite
with $\frac{1}{2}$ the part of light color, a
percolating -

Holland-stard are good in camp and
back all troubles outside cause
etc & all returned all troubles,
Chater, fellows etc.

Regenerate tubes, soaking out Rott
Morchy - put in a solution without
Rott, soak out as double salt or
as solvent also use cement
sickness, wash out & eat out
Then put back a liquid & reverse.

Put up two 2's after which
have only been soaked out.

~~Hentes~~
X rubbers to stop if from
banding

Beach taking point
Steam Cars have to be
built to push each other
Electric push half all
Steam internal & not
More Car Wagon can be
lighter -

~~Over~~
Moving Pic Thunders need
Ock with & without
any, loud & loud -
Exchanging sections for records

Test Tellurium in cup in
batter make T & H & let
O from P pole decompose it
so no gas comes from
battery -

Have put in ~~last~~ ~~from~~ a
other separate amounts due
us (good) —

Lewig disc 4 in box, rent 25¢ +
expressage per day — 300 days
#75. Cost 175 — + expressage.

Cylinder, 4 in box rent 25¢ + expressage
daily, 200 days wear,
#30⁰⁰ Cost, 1⁰⁰ Come rail, &
Expressage —

See Christensen's figures (good
much SiO₂ wanted per month
+ order for 600 lbs.)

Watch the ~~the~~ ~~the~~ bag
that is now ~~the~~ ~~the~~

Look up articles got a
man in place at Thomas
Wilde Kalamazoo Univ Wis

Change over a get value of a
Victor as an exchange corporate

Better wrenches for animal
pots — socket wrenches needed
on it —

Jewels for ~~the~~ ~~the~~ old
worth abt jewels —

Have the 12" ~~the~~ ~~the~~ second
turns to fit the steel
plate —

Porous Cup K₂SO₄ in pale
Coated lithium use it for
negative for storage battery

Turn up edge ~~and~~ make to
allow more ~~room~~ for back

Man go to Meadows
to make the time 4000
are at terminal -

Patrol tellurium for gas

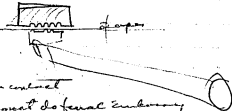
Inter dodged, also swapped
by rotating sorghum truck

Iron pockets detached by
split machine inside -
before loading -

Trital-gant heavy
plate - torch -

Barrett - ~~del~~ Express

WU
Telegraph Type write letters of 25 point
pencil or emboss



possibly stroke in contact
to have a suggested defusal ending
or perforating
Represent Pendulum with
contact points released each
evening - + continue roll
Tellurium point -

and Cable to ~~Bar~~ minimum

Give small ~~Y~~ sketch to
Brown -

Dist. Geneva Cross on R1 Ni

New tube, dip 33, then
transfer to strong R14
plate 1/2 hour too thick
Backout R1 in Cell - (15)

See How Pithi new 50 lot
press out,

See How $3\frac{1}{2}$ unit on Pithi
our corner with

Test gear driven ~~Amber~~

Test wood floor of
shop by road below on
foundations to get vibration

Harry up day 10 vibrato
section, ready -

Telephone Bench about 1000
factory.

Harry bid on 25 1 + 1 $\frac{1}{2}$
Linx. Burnett makes bid
for 100, 4 on 25 lot,

See Humble Bros new lot
Vehicle, Time,

Tell Harry about Laysden
Advt so go on record,

Harry A-8 ~~Model~~ A 12

See a Bunker ~~frame~~
also if brass shell for
used on 1 1/2 rad -

find big lot ~~W. Col~~
look up. test cell see
how it is broken come
off & if OK make up
A 4 cell right off -

Smith - make log $\frac{1}{8}$ A 4
soon as possible ~~try~~
25% Rth -

Try K1 on Tran. Strip,
Tell Wally Miller T. 15

See Wally tell him on
high steep walls the
flow of the g-ss turns
to east should be no
flow -

Start somebody investigating
loss of Nickel 2111 per lb
flake -

Look up some very old cells
- CO & put regeneration sol in

Try Chl Zinc Sub Zinc BacP
Sol, regeneration -

12 Payon Kentucky see Pelton
Lehr & Anderson for to get
pheno who help but also 12

Harter see model A/8 & drawing
turned over to Bachm to
start info & bring A 10 & 12
model & drawings -

Monday big model up
musee room & shows
Cows & generally to 1 3 & 4
& get drawings -

Go down for hour or so
to Aiken on disk

Hawk inspect Petel
new records -

last Cells for Records
copy run them

Reg green damp cut piece
hydrophobic -
also wet K0H do some
dry & peroxide

2 tubes - each 33% Rott.
put in R1 + Rott & run
1 hour at best efficiency

ditto $\frac{1}{2}$ hour
ditto 15 min -

2 Ni strips, high density
21K2 Ni etc if gas can
be exploded $\frac{1}{2}$ way down
in liquid by arc

To determine status of light
beams becoming overexposed
more wave detectors -

Deep about $\frac{1}{2}$ doz. Ground
buried for jet fumes
go out, build wind.

Asken press a job of
Yunes on plate $\frac{1}{2}$ inch
all how goes, Cur & my

Layout the ~~all~~ small cells
equivalent to 1 long tube -
1, 2 - 4 - 6 - 8 - 10 - 12

Draw the regenerating coils
in bottles to put with
tubes to use the current.

Go over to Battery C & see
Grawley & the layout
for drawing Cu & Ni - also about
through taking out Cu from Ni
Heavy metal Condenser
drum

See about installing
flask Cranes -

See if Rott are right for flask
scolding current goes to
85°C low much feed -

Talk to Thomas about
arranging not keeping through
aligned movements, getting
feedback out before it has to
increase under surface

Thomas asks about ~~up~~ ~~down~~
that strings that have it
also in some part of it
Houses of ~~OK~~ ~~cleaning~~
to ~~black~~

Manufacture of delgony
Coxes - Dicks & ~~smaller~~
green in various shades
get little ~~in~~ ~~of~~ ~~delgony~~
from me - ~~in~~ ~~of~~ ~~delgony~~
from single wagon ~~delgony~~
also with delgony
Dicks - ~~the~~

ZnAluminate used acid or
alkali, (Gahite) + $\times \frac{1}{2}$ Sol. (Gd)
+ $\frac{1}{2}$ H₂O
Aluminum ~~the~~ ~~acid~~ ~~used~~
boiling alkali

~~Gold~~

Get figures Coils, Nitrogen
Rabbit & other ~~blending~~
for making the Old dry
process, see if ~~any~~
small ~~in~~ ~~any~~ ~~will~~ ~~can~~
ing up to ~~by~~ ~~dry~~
left - see how ~~trapped~~ ~~dry~~
+ also if heavy ~~press~~
over ~~loading~~ ~~del~~ + ~~it~~
crushes OK

IVM Estimated Cost
Crystallized ~~of~~ ~~Chalc~~ ~~the~~
using H₂ for ~~the~~ -

Take some of the green
moss dry press in
heavy paper 3" cubes
see loading wt -
Fred Ott -

Goldstein rec'd $1\frac{1}{2}$
Co can be put in
the Goldstein process
so can use any
process -

Fred Ott, fix up little
Rat for Goldstein -
to make note.

Go to Newark acc. I can
of course - visit Goldie
See get prices Klett,
find out number of cases here.
True - if they are any need
28 True

My car seems burnt rubber
then, I don't
see Sadler's hard rubber
dust in newspaper if rubber
can be put on rubber

See legal dept - patents
on Vickers for duplex -

Close with Duplex
Have his man come
over prepare to sign
Contract for Sept 20th
delivery

test $3\frac{1}{2}$ oz. recd 5 pks
on some of the lac
dope records, put
note -

Now vibrating ~~plate~~
See that back and front put
on -

Examine old tubing of room
old ~~Cylinder~~ - ~~Smith~~
has ~~Cylinder~~

For acceptance order,
12 ~~Wagon~~ ~~Reels~~
~~Anderson~~ -

Notice ~~class~~ 1703 old
Bpfr on ~~Ebyk~~ ~~class~~

Quilstein Co. or 6 lbs
Mr. Beemth $4\frac{1}{2}\%$ in
Green -

Get ~~10~~ ~~inch~~ &
first good ~~Cement~~ full
up to ~~top~~ -
~~Cylinder~~ ~~Recess~~ -
plated ~~Prin~~ - ~~Montan~~ ~~Asphalt~~

See ~~John~~ ~~Anderson~~ &
first ~~thing~~ ~~in~~ ~~shape~~ for
the 12 ~~Byouk~~ ~~Reels~~ -

Write ~~Simplex~~ not less
than 11 inch clearance

~~John~~ ~~Recess~~, decline

Take ~~brass~~ ~~plates~~ get them turned
1 pair 15/1000 ~~at~~ 25/1000 -

Get some ~~small~~ ~~plates~~ do some thing
how about ~~plate~~ ~~glass~~ - ~~chilled~~ ~~iron~~
~~Grapple~~ & ~~thick~~ ~~Vanities~~ or ~~Castor~~ oil -
Try ~~Castor~~ Oil alone
& ~~check~~ the ~~turned~~ ~~thick~~ ~~plates~~

Soak regeneration following

K Tartrate - ~~KCl~~ ~~MgSO₄~~

KOH + K₂

KOH + KCl - 3 proportions - ~~ammonium tartrate~~

~~Ferric~~ - ~~Ferric~~ - ~~Ammonia~~ -

K Molybdate - K Nitrate, NH₄, ~~phosphate~~

Zn SO₄ - K₂SO₄ - HgCl₂ 3 proportions

MnCl₂ MgCl₂ MgNO₃ Mg Acetate

Mg Citrate K Citrate K Tartrate

Mg Tartrate LiCl₂ KOH 10% Sat Li

Li Citrate ZnSO₄ NaCl ~~Chloride~~ K

~~Ammonia~~ K Peracetate ~~Hypophosphorous~~ K

Boil KOH, glycerol, K + Sugar,

dith. Gold K₂ Glycine when soaked out

in KOH 2% - then change to 1%

with KCl - KCl, HgCl₂ KI, K Citrate

~~Hypophosphorous~~ in oil,

Boil K weak gly - soaked out H₂O, free K

then soak in KCl, HgCl₂ KI K Citrate

Hypo - in KCl, strong - pass

Anodic current strong for 10 min

300 mamp to form chloride then

Soak out, & Rinse -

See five have another, over think

Find all got one, 212 -

Try pulling in boiling water

Why not tin back of Cu mask &
burn that off, & use steel plate,

on ground Ambrosia level
with key all the thin records to
see if growing like ~~Promen~~ ha

Put thing ~~in~~ pot, old cells up
on test

See Hester ~~K₂~~ = ~~out~~

Ask ~~Bowling~~ if he has ice
he wants for ~~18~~ =

Daily cell up over
flake sheet, ~~long~~ strips
Eat out & ~~chop~~ up -
also ~~agony~~ punch or otherwise
How about ~~new~~ flakes from
~~drag~~

Galtstein, Make N. Lodge
Co, Mn p6 ^{Cr. 15} in tube calls
See how much Bee getting
now -

Tell Henry about Brecken
5000 - as far as he knows
I put 1500 and under -
but all by 5 B check -

N. 504 7H₂O Dead Cost, 6 cents
40% fine to 1/2 add 15

in guarantee
Normal conditions

P. 5000 August 11th
24th - Check and ~~Ant~~
plymouth H. 2002
Auto there -

2 tribes closed trial
Ends

See abt keeping Maudel
Lunden - ~~much~~ ~~chopper~~
back to ~~tramp~~ -

Have platter made as
per sketch for Allen

follow up 4 w/ dark
willow fibre and lamp
black for clips Vanco

follow up vigorously
Turning of pressing desks
Reg up 4als

Daily test section of
can with two good holes
leaky places all of
closed by rubber &
May Roth, Get list of
Cans. Very bad make
it bad, Coat with gas &
then put away well
Roth

Take H. Hartman
Mina Lelley Credit
said check for Steam
Arrange 50 Bonds for
Mining

How makes indication
on cells -

Dope made run to
a bottom and put off
the cells - the other Dope
elements & can

Smith make Cabalt
Cell - when 50th Run is
~~the~~ out,

Get list of Calcium
Phosphate put in & has
names & extend list
to extreme limit,

Morton given with
Cabalt sulphate, or Chloride
put in Roth & waste
to test each of several
proportions
With Organic bases -

Prep. Ni from Chloride
Nitrate Nitride, acetate
Chlorate Carbonate
rather sol salt,

Prep in part of group
small for the 2nd side of
in several positions

a screen cloth / basket
immersed in part of
condensing

See 2nd part people
about centrifuge for
shellac

gwa-gals of clear
stuff for veneers -

Jones about the leather
Lodates -

Buchanan report on
log kept of waste
from new down

Meadcroft about
Cook for new adygtul
buttery -

See about tools for 8 1/2
tube cell - also make
4 - 1/2 tube - 6 1/2 tube

10 & 12,

Prep Nicta from dif
dilutions - very weak
weak stronger & less than
Reg

Prep reg & let it stay
out for long time it will
get crystalline

10 5th ~~Wagon~~ - c/s

Pugs -

→ A 4 run put in 1/4
CP Paraffine oil (Merck)
& Run test, let cool
get low so oil go down
on tubes. Then fill up
run -

Patent Elec Wagon
bailage Capable of storing
Enough Current to make
the delivery, Motor, Control
Elec as Common & Common
A new method of using by
boast,

Make 2 good ~~experiments~~
for ~~Conduction~~ & ~~one~~
2 small ones -

Put up a down record
heavy backing lead, now
to 1

Harry ~~Wells~~ looking
after ~~Karsen~~ Collection

Write ~~Ralden~~ Wisc
University go ~~to~~ ~~the~~ ~~chem~~

Advt. Elec Chem pul
Elec Chem ask Editor
on telephone for one;

Dec id for ~~chem~~ on ~~for~~ and ~~chemistry~~
a ~~part~~ ~~of~~ ~~the~~

Water not to make last
and more -

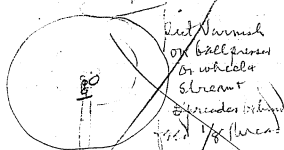
Acc if that ~~the~~ man has
got any ~~about~~ ~~asides~~ -

~~Anderson~~ ~~about~~
2 grand ~~Ambergris~~

~~Drove early from~~
~~Valley road to S.C.~~
~~go off to the right~~
~~high pass, alluvium~~
~~closed in the tunnel~~
~~fill small ditches~~

~~Mendocino~~ ~~see~~ ~~dragons~~
~~the horses have a~~ ~~up~~ ~~if~~
~~valley road~~

~~down~~ ~~stop~~ ~~easy~~ ~~for~~ ~~man~~ ~~get~~
~~in~~ ~~little~~ ~~open~~



~~Get samples~~ ~~from~~ ~~Strawberry~~
~~think we have a lot~~

~~find a salient for shells~~
~~which is not a~~ ~~valley road~~
~~Moritan~~ ~~to~~ ~~Samuel~~
~~the base dry~~ ~~pass~~

~~find the~~ ~~80~~ ~~lbs~~ ~~lithic~~
~~ora~~

~~Test the~~ ~~Gulph~~ ~~Coors~~
~~when road~~

~~Legal dept~~ ~~see~~ ~~Columbus~~
~~have~~ ~~tail~~ ~~or~~ ~~raised~~
~~ring~~ ~~around~~ ~~inner~~ ~~or~~ ~~outer~~
~~part of disc~~

~~ask~~ ~~McGowan~~ ~~if~~ ~~has~~
~~appealed~~

patent rolling out cutting
pressing
Aiken patent Lamb -
2 patent Roasted Caribbees
+ Veneers -

~~Also with plate thicker
deeper & pour porcelain
cement.~~

Dry last lot. Tubers with
glycemic only & with
Cinnamates, small quantities
of chest notes or "friction" of
tubers by gly & small quantity
ROH. Some cut in fresh
gly. diluted somewhat.

Old tubs 1st Lat pul
up again with new ones

Regeneration Tubes Oxygen
solutions -
glycerine des albes

20 pt <i>Araneus</i> and	40 <i>albino</i>
20 <i>araneus</i> ovals	20 Carb Nky
10 <i>Baryte</i>	10 BaCl
10 <i>Baryte</i>	5 Co Sulphid
15 <i>Oxide</i>	
50 <i>Thuric</i>	27 Hg Cy
19 <i>Lindene</i>	50 <i>Karavale</i>
10 <i>Cupric acetate</i>	3 <i>K Chlorate</i>
30 " <i>Sulphate</i>	25 <i>KBr</i>
7 <i>Martianum Chloride</i>	32 <i>KCy</i>
40 <i>K9 Oxide</i>	50 <i>Nadaamit</i>
5 <i>Na Bi Carb</i>	60 <i>Borax</i>
98 <i>Na Carb</i>	20 <i>Nachloride</i>
01 <i>Sulphur</i>	2 <i>Prunine</i>
50 <i>Urea</i>	50 <i>ZnCl</i>
40 <i>Zn Oxide</i>	35 <i>ZnSoy</i>

Glycerin + KOH nearly as much KOH as gly
desolve CuO, B₂O₃, Ca, Sr, Ba hydroxides.

Moore Try glue - 200 ~~cc~~ ^{cc} ~~400~~
thick - slow

Legal Dept. Georgetown University
disc. patents, mean at public
library

Have Ted Guy get new
heavy plated ~~lenses~~
which they are made

from our machine reading
V. & Cans. - They not use
Electric #40 & work with this
one using 30.00 of H.

Harry about getting balance
of which stood ~~back~~ of
Edison Lamp.

Wm. Mallory ~~New Land~~
or Muzzles.

Bliss put up Belt drive
1 Horse - ~~on Motor~~
lighter -

Find if ~~from Lake Cogan~~
to pay ~~light~~ on them

first be ~~metal~~ band on
milling machine off
then tin band on - pressed
~~No flux, used sand paper~~

~~62~~ 2 Su 2 Pr 5

Look over the ~~Home~~ turning
machine to ~~cheapen~~ -

Educational Machine Rep
Cylinders ~~change~~ twice speed
to second Children version
on - ~~Reproduction 375~~

See how ~~the~~ records get on
last lot.

order 15 lbs ~~of~~ ~~carin~~

Dyn about getting Educational
man for ~~from Ketch~~

Make 6 more Repairs
for disk, ~~to 3. 3 not 3~~

Make substitution if disc
Can be dry after hardening
or white heat -

Edison station NY
Big battery 22000 amp
135 V 1 hour discharge rate
\$60 per kilowatt hour
figure was 80¢,

Grand American Express
Worchester, Mass
to track out General
So call Worchester Central
W.C. & Co. -

Try varnishing wheels a brush
use stiff bristles brush -
Trowel - Spotted dip
dip + rotate, Very thin dry & coat

Thick stick on top - Usually dry &
Calliper - put on tire, fold
dry - then hammer to break
heat & pull off foil -

Buchanan icehouse is the
little English one for electricity

Has miller pits been designed
for A 8, 10 & 12 for blades

Talk Doc Edmond (manager)
Rent & more for receipts help pay
rent money -

See within ~~the~~ room

Hydroxides all over
Rise by rills &
water evaporation
dry & separate
English & German
Patents —

Coat blank with weak
Varnish before (Caring)
the thick brownish —
also try slightly thinner
final Varnish,

See Harry if I should
for an illustration

Adloallure +
Ischekrup - pour
glass - discol out
Ibra to give flake-like
auto woman

Varnish Mountain (Cauld)
with shellac in alcohol
ditto in alcohol + 100%
dry & press - Dally to work it
out

Coat Mountain by Methyl
Lac Ibra is stream +
thread like lines

Indifferent spec to table on
Varnish Mountain floor
see 3rd - very different
evolution so can I see you
new version 12" also
also see how many galls
Can come + get 100% spec
up.

Draw up critical Mallory & Mowbray
1/2 inch after 5 years + 100%
as long as they are covered with
me, after 5 years I should know
which is better 100% or 100%
double this time when it is

~~Moss - Cinders in ground~~
Try = also Metal Spud blast
it for Elch with caped -
or Tin it + iron -

Get 2 Reg Combs records +
using Roim stick together
+ have sec of OK + Test for
temperature when get Venus records done

Anderson is no drawing
washed to Test + then

Anderson How about
Drawers + des -

Ask John King of how
disc when ~~proceed~~
must not be higher than when
living -

Bee What is being done
to rapidly introduce fillat
Relay important (mistake)

Wilson - Fred Babson should
be given a third exhibit of
ground ~~ambassadors~~
3 Repders ~~John~~

Experiment how to put
cloth on - 9 a motorola platform

Wilson plg ~~Caps~~ 5.000
50C = 50 ~~Strap~~ Battery -

4 $\frac{1}{2}$ tubs pure Nickel 003
+ load with 10 worth gross
one gr. - 15. tubs 12 plate 5
plate the Nickel out of solution

Buchanan - Miller to
reclaim it in ~~plate~~ bldg

Bee -
Wash Concern ~~fact~~ 603
are they doing anything -

Test Telvaco records 120 Fals

Make for North North &
1/2 304 - day of week
percolate & minute -
of OK week 2 or 3 lb
& have the business

Jones Large Lab filter -
ditch 1000
" Crystallograph & recorder
1500 lbs day of telvaco

Jones see if can get less dampen
Solvent than Telvaco -
Isrook Carbon

Jones Try Melting Telvaco
or Bone black & being
out oil - ditch North
get oil out - this evening

Weldcraft etc
Bumbrigg Scherer
Joerke Plant Snyder
David Strong Co. Newark -

Redesigns American parts
so flanges don't break -

Standard. dented where is it
scoly not compressions minds -

Speed of J-X Co 25 Rev min
Screw 35 10" Rev
Winds 7 per inch
Screw Pitch 10 to inch

Hole in Wheel pipe 1/8 inch



6612

Varnishing Machine
 Angle of Valves Regulated
 5 degrees from horizontal

~~Box Machine - Corresponding
 School Catalogue Durand~~

Arkeni - fold up blank
 & run under tension

Cost of Lake Machine

M. Arkeni & S. Co.	73.00
Box " "	9.00
Cu 504	20.00
Ammonia	33.00
H ₂ SO ₄	2.40
NH ₄ SO ₃	0.06
M. 503	0.07
Current	30.00
Water	13.00
	<hr/> 196.00
Labor	47.90
Expenses	<hr/> 62.00
	257.90

Now saved on Ammonia
 Copper & water 78 cents -
 reducing to 247c

~~Find old disk double coating
 dry between~~

~~Arkeni - Make some thicker
 Varnish - or find evaporator
 over to get thicker -
 probably bubbles can't come
 up~~

~~Get Costs 1 & 2 for
 for Adams~~

~~Arkeni roll out long
 rope 2" wide & roll up
 then put in Silhouette &
 roll plagues get rid of~~

~~Arkeni the 2 Rolls don't seem
 to run same speed~~

Put 2 plugs together with
Rosin. Put 40° below zero

Moore Select a diamond
for a fine cutting glass cut.

Moore next cut glycerine
tubes use Nitrate ammonium
Chloride ammonium Sulphate Soda
Bisulphate K or Na
+ acid salt Trichloroacetate
acid oxalate Acid phosphoric
Hydrofluoric - Na Hyposulphite
Hydrochloric, Peroxyacetic

See the Sulfal Iron by
Ralli - Dry ground
on hot plate to get porous
Also one ball of ignited
to get center & then
re-calcinate

Cut up 2 doz. Strawboard
discs get size from Arkansas
Boil Rosin

Make device warm Rosin
dish & vial -

Smith about 1/2 inch back -
Pee Can with neck shaped
Keep cells filled with
distilled water 1/2
above plate -
Keep top cell clean
don't let dirt get into
water filling hole
don't stop water all
over balling as I
go to bottom &
rusts can -

Make something ball for
Moors -

Petit pat 7-9 092
who owns it is it valid
important - double friendship

Dyn Lunden Co. belongs. very
use name - ~~B~~ B. Lunden
get data -

Dyer - Moving piece work
July 1 - Almost talking
Pratins - ~~Harry~~ up
not lose first adut

Puts somebody on Scrap
flake sheets -

Moore Jacques records surface
then plastered pieces set backing
in & let it set -

find most Core Cabalt soil &
use Core Sol soaked in
green - also double dip
burying between after Rother
leaving 1st dip
Try 3rd dip.

When dust escapes over
Lay Rough job & heat to barrel
out out of heat in Vac -
then Roll out to barrel

Monroe Lac sheet steam jacket
a Niggle allow melted 1st line
over 1st line by 1st line

Try Steak Venier on
Shawboard by Room in solvent
not attacking Condensate, & No
Room in Shawboard -

See next page skipped

Be sure to get new Cubes
new plates for tests.
hereafter -

Patent turning off Copier, record
with Diamond - backing -
up & down a gel column.

Patent turned flat record
matting, soldered at edge
or down end,

Wet vacuum with organic
solvent in rubber shuff
+ launch mat soap, then
Varnish,

Put passports for all family
Sealing B4 - all still
out +

~~Moore 3 layers of 1/4" soft
Rubber band on desk beat,~~

~~Moore The Reg Thermal
Resin is better than shellac
Melt down, if heated
stuff into as used -
Don't think shellac in alcohol
will ever dry -~~

~~Ask Bledsoe if animals
die is simply a new
up on milk and a for
afford -~~

~~Raise Drifton Smith
Salary 50c day~~

Make up 3 tubes, soak in
Strong Cobalt sol.
dillo time, with HCl valency
balance — NOZ 35%
Cobalt as well as the
strong CoCl_2 —

More after dead analysis
of to cobalt on pulling
2. Cobalt (analysis)
further stage with
cobalt —

Dyke Lee that Agbrun
has covered all details
here + in Europe,
Especially phone part,
a Combs —

Lee Smith + Log — I have
him go ahead continuously
to see if anything OK ~~to~~
Can order 25 made before
I go — also Iron mach
designed ~~to~~

Anderson took over $\frac{1}{2}$
tube machine preparation
ordering

Iron Machine loaded
for small tubes —

He if Columbia disc,
have cardboard insertion

determin shrinkage
in baking Vincer —
+ etc for Refining as well
as assembling

Soak $\frac{1}{10}$ mls Candace
in Varnish dopes dry
then varnish & dry
more Cure, then press
of the last Cold test -

Washworth
Collect photos Records
from Beach Curves

Little tracks -

Small 1 ft. photos
footing
& eggling
a box cell
washed, lids
April Cost 50 Co -
Horse tracks

Heat a Cornet
up & see if it bums
+ slays Bent -

Write up Talking points
less ~~Walden~~

See Brachman about hats
for currency made
outside -

ft Varnish ~~cell~~ using
thin glycer. wipe off
dry then Varnish egg -
little pump die B9
200 Cent - wipe off -

Arken delann dra
hot & cold so can make
right turning marks

get ~~SA~~ document for
Safe -

Make prep & ~~also~~ better
cell removable - screw whole
in -

Try cutting ~~up~~ the venous
with a dissection.

Press ~~clastic~~ knot in hydraulic
see if can ~~shrink~~ it -

Jones who will fail
the shellac

Goldston, ~~Celastrolon~~
~~Ordylatyn~~, fuller press
Goldston

Fix up the ~~vertical~~
miser so ~~blow~~ nearly
touch balloons

Probably ~~after~~ press
desas too soon before prep
plastic then cracks it -

Purify some ~~of~~ ~~Penicillin~~
so no vapor comes off at 230

Also get substitutes for Monochloro
as carried 4/5
Giver says if get it fine enough
i.e. 4/5 don't need any carrier.

Have ~~CC~~ ~~also~~ ~~in~~ ~~the~~ ~~in~~
mix 4/5 ~~Penicillin~~ will send
Microclis ~~has~~ get it
fine, grow it with ~~resin~~
Dunkley 466 to mix.

In ~~the~~ ~~in~~ ~~alcohol~~
rapidly ~~down~~ well it be
fine

Lesson 4/5 three 200 mesh

Chicken heat the wood fibers
to 225. before coming
to the liquid.

Use 100 lb. of water
with 100 lb. of wood.

Sent Messon plan of
Clifford ~~Clifford~~ -

Scherley March (new)
at John Rogers -
Composed by Fedraio
15 Horn players

Intermittent with Resonance 4/6
or 5/6

See if you have gathered
the same plants for
also all variations

Write Hailin ~~if~~ man OK
or where ~~to~~ people

also kept from Bullbills

If we give us ways to make
perforated sheets so I can
prevent Condensate from
leaking to stop them
from using it

Oxidize Enamel sea of
good in ~~the~~

Find Old Normal
Mountain several Counts
till its same thickness
as lac, bake at 140
after drying the press
should at 230 or higher
if Mountain will stand it

See what applications have
been made and decide -
Vancouver, Vannoy, etc -
if not enough - make others
a class new article next
to shut out foreign -

Press some of light weight
No. 1 & 2 make on Rolls
see highest loading
not possible - try
seven press -

Goldschmid makes some
Rolls - No. 1 & 2 dry
under pressure
get heavy iron block
4" thick to fit box

See - How about Beach
Car buttons & as soon
as he got 10 to 15 cars
going we should have an
inspector strain him
& put him on the job -

Brown plaque unpurified
Pinto Sams as good one
tested 264 times -
had 100 put 10 layers
instead 5

Wagner ~~St Louis~~
Magnet. Rectifier =

Get old R.D. of Lows for
Spts Link -

Weight of Orkan carrying
boxes 11 lbs. 6 oz -
1 vehicle had 12 boxes
182 oz each 136 lbs dead
load, room for 15 boxes.

Ask Charles if he has
arranged the money
to meet his note -

Dyer was ~~Manly~~ notified
under his ~~contract~~

Try reorganism tubes Hgly in
Water -
ditto in Water with 2% RDB,
salts " with 2% dietol,

Above with previous treatment
with glycine + 3% RDB,
a without treatment -

See if Peters can't be pressed
between discs hat critical
of Kelling

Diffs Legal Dept. Pat in England
affirming & ~~frank~~ recent
Baldwin deposits etc -

Export 4x pocket opened type
had all same thick but morning
wt on plungers + small feeds
see Capacity life + durability rate
at 750 -

Roll out platted ~~very~~ this day
150 of them ~~very~~ up again ~~very~~

Harry - gives me list of
• ~~St. Louis~~ ~~St. Louis~~ ~~St. Louis~~ ~~St. Louis~~
4 E 63 ~~St. Louis~~

Draft letter for ~~Mallory~~
Nelson - Roll ~~very~~ ~~very~~
or have ~~9~~ ~~very~~

look over ~~big~~ ~~big~~ ~~big~~ ~~big~~
bottle ~~with~~ ~~with~~ ~~with~~ ~~with~~
that ~~with~~ ~~with~~ ~~with~~ ~~with~~
at ~~very~~ ~~very~~ ~~very~~ ~~very~~

~~very~~ ~~very~~ ~~very~~ ~~very~~
plenty to ~~very~~ ~~very~~ ~~very~~

~~very~~ ~~very~~ ~~very~~ ~~very~~
~~very~~ ~~very~~ ~~very~~ ~~very~~

~~very~~ ~~very~~ ~~very~~ ~~very~~
~~very~~ ~~very~~ ~~very~~ ~~very~~

Moore new would
drawn ~~very~~ ~~very~~ ~~very~~ ~~very~~
found to ~~very~~ ~~very~~ ~~very~~ ~~very~~

Have ~~very~~ ~~very~~ ~~very~~ ~~very~~
Cylinder ~~very~~ ~~very~~ ~~very~~ ~~very~~

Drawn ~~very~~ ~~very~~ ~~very~~ ~~very~~
after ~~very~~ ~~very~~ ~~very~~ ~~very~~

Make several samples
thick ~~very~~ ~~very~~ ~~very~~ ~~very~~

1 with ~~very~~ ~~very~~ ~~very~~ ~~very~~
see ~~very~~ ~~very~~ ~~very~~ ~~very~~

Solvents - ~~very~~ ~~very~~ ~~very~~ ~~very~~
up at ~~very~~ ~~very~~ ~~very~~ ~~very~~

my BioH in CS₂ Xantlut
Sal ROH

Add to make some high MP
Mountain for lacquer
6/4 dope on old 230

Pat. press 1/2 day for copper
Mountain for test purposes
also (throwable at 7000 cc
lid

Make 1/2 day O ram.
8 videc pipes to test
Valve, p/c 1 is no test

Moore got section 10 feed
turn did not turn p/c
with Vienna lining chamber
+ have all with in front of
Copper (like) turned chamber
+ (about) Vienna (line) chamber

Galathea my dog Sal on that
arm Coaled plates to opt. and
of Copper metal, then lake out
wash down

stand model "P" spec show
Drummed for Reg also
New arm + new line off phonos
new Rep. arm No 2 min -

lost gear driven phone
+ (ok) adapt in new line
of film

dump out ^{water} drier on Gatter
Shurden ~~Frank~~ Reuss
gsmg Belged 4 p/cm
etc

Make lot of ~~Cher~~ for Moore

3 Roan 1 yellow brassway
for sticking copper discards
backings to turning off
plating

Get some ~~yellow~~ brassway

Acquing 1 yellow night
day's night - 245 Rocks of
12 each - ~~144~~ per rock
20 hours - 10 Rocks to 1 man
4 boy - 56 more 50 hours -
no record

4000 daily cost - 450 lbs solid lac
used,

Walter Miller - Nordica

Duties

France 1900 for 220 lbs
Belgium 15% Advalorem
Germany 9.52 for 220 lbs
Spain \$133 for "

~~Try some of the old black in the
Reserves~~

Tell Brindley about
the plating Copper Converter
& Welding

Put in Small Flats for 1/4" or
say there are much flats per
slight as well as low

get Curran from Longwood
He's set back for
Europe -

Order Case ~~off~~ 15^c Red
Shells

Get Catalogue of large
Cans with ~~handles~~
for holding ~~laques~~

Talking point, E. Bul
1st Council & Baller
Pb balling not a \$B
as it is not reversible -

Try dissolving mixture of
acetoacetic acid & shells
together in acetylene
Bottle, say, 100

Also Henry J. G. also dis
huc & Colloidal -

As cant suppress get way
of getting ~~lac off~~ a
second ~~do mon~~ use
again -

Also new ~~laques~~
new ~~exp~~ means ~~Cable~~

Qwa - Liquid Condensate
on 20 to 30 mesh screen to
bring it to 50 mesh -
for dissolving ~~laques~~
Condensate ~~in water~~

Miss ~~Exp~~ ~~Angell~~
Spring ~~Rails~~ ~~Spring~~

~~Change ^{to} New Circle
hold desc. Language
for volume~~

Ryan, Hollandy, Carlton, Salfon
30 lbs. x 30 lbs. and they
is quite a little bit of
used in looking at all the
and the boys from
died and it's very useful
in the hospital

Workshop Vanneli shall
attend also for individual
using Jan. 1968

Pressure is on run $7\frac{1}{2}$ inches dia

Expts disc

Plain Resin 100 to 200 of paper
4. Lumps black - moulded in discs
from powder -

10" dia. moulded black
from powder 500. (66 grams)

Then put one in ~~the~~ Record
mould, heated $1\frac{1}{2}$ min
300 lbs - didn't fill -

2nd Exp 500 lbs 3/4 margin
heated - nearly filled some
places perfectly -

3rd Sept 500 lbs cross sealed
5 min -

4 = blank 1000 1000 5 min heat.
Record 1000 " "

This is no improvement ~~and~~
3rd ~~best~~ worse but had to use
Edna disc as would want to talk.

5th blank from powder at
1000, 5 min heat -
Record at 1000, 5 min heat
No improvement, foundation
rough -

Raise floor to 1000 powder

Kumuhaff White
Ceresin for the roots
on little belly Ceresin

Not a successful process
July 29 =

2 pieces 2 paper from
pressed about 500 to 3000
lbs - heated 5 min -
all worked same

Blank then varnished
both sides heavy coat
only once but not in
bad places

dried 10 min

This is depressed in
polished plate 3500
lbs heat 3 min -

Then secured with
the varnished plate at
3000 2 min heat
press flat off lower
to 1000 lbs
Cooling -

This pressed in record
mould 3500 lbs heat
5 min -

Cracks hardly perceptible

Make a list of a natural
Holland at the
of each & each group
from -

~~Justin Smith, new C & G
Leslie Co. B.O. - the -
Indian trail Reg. 28 -
Holland + purchase for a Book
on E cell for next year -~~

~~Roll out Monday a 1/4"
strip of Book plate
after unrolling + set out
Take ^{new} news book to Europe~~

~~Measorcraft for Capt A. 4
without selling Exp. + private
American deal for no bond
valued, but interest
on movement for
proceeding the foreign cells~~

~~L. O. L. for Mass.
" Marking Mountain
on desec. a - taking annually
+ selling out C. M. to really
shale -~~

~~Picman keep on air replas
Justin to Kammah + Brown
+ Kevchum in new small
cells -~~

~~Justin to Kammah in Re
Measorcraft for a wagon
+ Indian run + Extra wheel
+ 16 C & - 2 Run + old
wagon~~

~~Justin to Kammah
Copy all information
Bergman on the facts to Kammah
More information
The transfer idea -~~

~~Dec. 2nd 1901 - 1st in September
should be after 1st of Dec.
I am about used of block
to copy the expression
Carbon~~

Full moon to ~~the moon~~

My Japanese stuff in
Habe Regent's ~~at~~ -

Wentha ~~Wentha~~ turn
Columbus ~~Wentha~~ ~~sgt~~
and ~~Garat~~ -

Make some ~~of~~ ~~the~~ ~~oil~~
3 Kinds with small
medium & heavy oil black
Oil, make $\frac{1}{2}$ ~~of~~ each
Would ~~be~~ ~~the~~

Squeeze some ~~of~~ ~~the~~
Lipid hot ~~Co~~ ~~oil~~ in
Screw press to get ~~near~~
condensing ~~oil~~ ~~forget~~
2 tubes on test -

tell ~~Bachman~~ follow
up little ~~more~~ ~~follow~~
found for ~~BT~~ ~~cell~~ and
hook up ~~+~~

Bachman to ~~complete~~
test & consult with
Pless as to breaks
show to fix & adopt
policy to ~~withstand~~
from 1 ton sleep to
1 Horse ~~exclusively~~

Christmas - ~~Newspaper~~
printed on ~~paper~~

Feed ~~Oil~~ ~~Regent~~ ~~test~~
only for keeping plaque
But for ~~your~~ ~~suck~~
~~mean~~ no $\frac{1}{2}$

Bliss wagon 620 lbs
and vehicle with Edna
not really much good
lbs - Use box filled
with scrap metal for
load

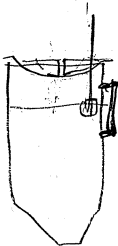
With the tools start making
over the box & then say 10 sub
With the tools start making
over the box & then say 10 sub
times 10" deep on 12"
2 or 3 times then after
getting it down perfect
testing in press by 50
pounds - go ahead
with our stock of
Masters

By the way, broad flat could be got
by getting a plow of similar
Using a very sensitive recorder
whose record is sufficient to
produce practical results
Simply by using such record
Mechanically & then simply
the reproducing therefrom forms
a harder step to reproduce
the original value - the 2
into being connected
to Synchro - 2nd claim
Connected Mechanically
Etc

See Dyck 10/14/41

Five quad head light
on 550 lb wagon for
night running
Aprax ballasts
easily removed

~~Don't see if we can't
get all New dec press
so as to cover depression
important~~



Tetrachloroalken	mk pf
	1.10
Pentachloroalken	1.40
Dichloroäthylen	1.60
Trichloroäthylen	1.00
Perchloroäthylen	1.50
Hexachloroalken	1.70

Plague Resin or mix -

Substitute for Parita -
Tetrachloro + use 3 times
the quantity of water with

1/2 cup
Dip with only twice
the quantity

Substitute for Parita for
15 Tetrachloro + 50 acetic acid
use 3 times quantity of water
Dip twice the quantity
1/2 cup -

Substitute for the 20 parita
10 parts Eupenol + 10 Tetrachloro
+ 1

Dip 10 Eupenol & 8 Tetrachloro
4 acetic acid -

Plague Resin

instead 20 parita
use 10 Eupenol 10 Tetrachloro
5 Benzene acid

ditto 5 Tetrachloro 3 acetic acid
10 Shellac, 4 Eupenol -

100 Resin
20 purified Parita
+ three times amount of
Monochloro acetal or propanol
liquid like 10
dip twice then
to keep 4/6 =

Find a Chlorinated liquid
that will not dis Resin

Oxidizing Eupenol with 100%
Chlorine acting on natural
of the skin! My Cut 100%

100 Resin-
 6 4/6-
 15 Engenal
 5 Tetranaps

Dup 5 Naphtal. (mash) Tetra

100 Resin 6 4/6- 10 Engenal
 10 Tetranaps

100 Resin 6 4/6 5 Engenal
 15 Tetranaps

100 Resin 6 4/6 5 ~~100~~ Engenal
 10 Shellac 5 Tetranaps

100 Resin 6 4/6 10 ~~100~~ Engenal
 10 Shellac 5 Tetranaps

100 Resin 20 shellac 6 Tetranaps
 6 4/6- 10 Engenal

Dup with 5 Engenal

100 Oxydized Resin
10 Benzoin
8 Paraform
100 @ 150 Denatured Ethyl al

Dup 15 Benzoin
Dup 20 "
Dup 25 "
Dup 30 "
Dup 40 "

Dup 10 Phthalic
15 "
20 "
25 "
30 "
40 "

100 Resin
20 Benzoin
10 Tetraethornaphthalin
8 paraform
100 @ 150 Denat al
Dup with acetone

Dup 15 Tetraethyl naps
Dup 20 "

100 Resin
20 Phthalic acid
10 Tetraethyl naps
8 Paraform
100 @ 150 Denat al
Dup with acetone

Dup 15 Tetraethyl Naps
Dup with acetone

50 Resin
20 Benzoin
5 Isobutanol
8 Paraform
100 @ 150 Et

Dup 10 Isobutanol

Dup with acetone

Dup with
acetone

100 Resin
20 Benzoin
10 Engonol Ess
10 Paraform
100 @ 150 Elling

Sup with acetone

100 Resin
20 Benzoin
15 Ess Engonol
10 Paraform
100 @ 150

100 Resin
20 Benzoin
20 Ess Engonol
10 Paraform
100 @ 150 Elling

100 Resin
20 Benzoin
5 Engonol
8 paraform

100 Resin
20 Benzoin
10 Engonol
8 paraform

Dup 15 Engonol
Dup 20 Engonol

100 Resin
20 Benzoin
5 Ess Engonol Ess
8 paraform

Dup 10 Engonol Ess
Dup 15 "
Dup 20 "

Dup 5 Engonol
10 "
15 "
20 "

Dep with acetone

"

"

"

"

"

"

"

Dep with acetone

~~100 Resin~~

~~20 Benzoin
5 Tetrachloro
5 Eugenol
8 Paraform~~

~~100 Resin~~

~~20 Benzoin
10 Tetrachloro
5 Eugenol
8 Paraform~~

~~100 Resin~~

~~20 Benzoin
5 Tetrachloro
5 Eugenol
8 Paraform~~

~~Dup 10 Tetrachloro~~

~~100 Resin~~

~~20 Benzoin
5 Catechu
10 Tetrachloro
8 Paraform~~

~~Dup 15 Tetrachloro~~

~~" 20 3 "~~

~~100 Resin~~

~~20 Benzoin
5 Catechu
10 Tetrachloro
10 Sheffia
8 Paraform~~

~~100 Resin~~

~~20 Catechu
10 Paraform
20 Tetrachloro
5 Catechu~~

~~100 Resin~~

~~15 Eugenol acid-
8 Paraform - 10 Tetrachloro~~

Tougher Varnish

100 White Resin
10 to 30 Shellac or Gorgon
used -
100 to 150 Denatured Ethyl
7 to 8% Paraform
(Diacetonealdehyde) 40°C/6
Koppland

Can add Modification
Isobutyl alcohol
Acetone
Eugenol - Shellac
etc

Instead of Ethyl -
Aldehyde, Acetone
Acetone etc.

Veneer Resin -

100 Resin dehydrated
20 Pentachlorophenol
4 Flake Wax
Hortmisch 6/4 5

Veneer Liquid in Varnish

90 Denatured Alcohol
50 of Veneer Resin

4 X 6/4 - 1.6
2.
2.4
4 - 2.8 5.6

~~Resin~~

6/4 - Based on free.
Phenol = pure Resin
5.6% 6/4 - Phenol
in Resin 25% 6/4

22 amp $\frac{1}{8}$ plate 2 hour disch.
rate, Elliott guarantee

10" Carboard 98/1000 thick
Weight. 80 grs -

Baled in Room, wt after
losing 144 grams

Caliper after Room 94 -

Dia diminished $\frac{1}{16}$ inch.

Cut with waste. $\frac{1}{2}$ Cent

June 15 Ad dealers 1110

Bad Fe Grot back long low disch. - 100

Makory estimate Cement sacks 1911

1,800,000 bbls. Cost 55⁰⁰ 80 setting 10⁰⁰

Interest Total 73.

Cork paper 006. weighs 560 mils $1\frac{1}{2}$ den

Price Submarine Cable Type S Z P (S2)

up to 20 P (S20) 135⁰⁰ KWH. 3 hour rate

To. 9 - S21 125⁰⁰ "

N 14 made 14 A size $\frac{1}{8}$ inch A 12 paper

110⁰⁰ KWH. 3 hour rate

61 lbs methyllic Ni lost in wash water

per crane per day ^{work} 20 hour 1000 gals

1100 density w lost by 5 cranes in 6 days

Price films US 9.9 c foot, Bosch S. J. film
8.8 c Camera 10.5 c foreign filled
50 sold 8 c Cost Neg 1.35 ft

NY newspaper ads average 2⁵⁰ inch
of Column = Sat Eve Post 84⁰⁰ inch. most
Monday 31⁰⁰ Refr 16⁰⁰ Life 14⁰⁰ inch

What abt the man searching
Buckabite -

RA 1433-4-5 - precept only

Get liquid Condensate, try at 6 inches paper
present heat to make Diaphan for
reco suplar

Vannell Wagon yearly cost.

Wagon depen	18.50	6 yr
Horse "	25.00	8 yr
Hornes "	9.00	-
Repair wagon	50.00	-
Shoeing	30.00	-
Repair Hornes	8.00	-
Stabling	216.00	-
Veterinary	5.00	-
Driver	750.00	-
	<u>\$ 1142.00</u>	-

4 1/2 miles without care comes 60 delivered daily
average mileage 15 miles

W J Twokbury now at Auto Elec Co
Chicago. Used Supr previously with
Western Elec was inspector then genl
foreman 15 yrs high type man. (Moore)

Frank Sager Natl Cash reg had
chgo tool room since 105 men left
went Yuba Towne then to Chicago now
with Natl Cash Reg (Moore)

R E Brown, Popular Bluffs Mo
Dalton & Sons Mfg. had change.
St Louis Motor Car Co. is from Elgin
It is an old Cash Reg man (Moore)

Joe Plue, foreman, old Western
Cash Reg man, very capable foreman
is with Wagon & Elec Co StL (Moore)

Tom Rutland, Englishman is at
Yuba Towne had chgo several dept
also tool room also had chgo at
a large dept Y.T. 38 yrs old (Moore)

Harris Westinghouse Co.
Engineering force, worked in all
branches, office, instruments etc
is in necessity, a Southerner (Neon)

power submarine ~~twice~~ of
Circs. of speed twice the
displacement at a constant
speed & times the power
or with a constant
displacement doubling
speed requires 8 times
the power.

March A4 1943,

500 A4 per day requires
4470 lbs Carboline per month
2235 lbs 2 week
1,117 lbs week 372 lb per
cell -

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Boston

NY

Brooklyn

Hartford

New Haven

Albany

Buffalo

Pittsburgh

Phila

Wash

Baltimore

Richmond

Chicago

St L

Minneapolis

St Paul

MO

Cincinnati

Indianapolis

LVP

Cinc

Cleveland

Toledo

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Texas 2

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130

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$$150000 \overline{) 85000000} \quad (56c$$

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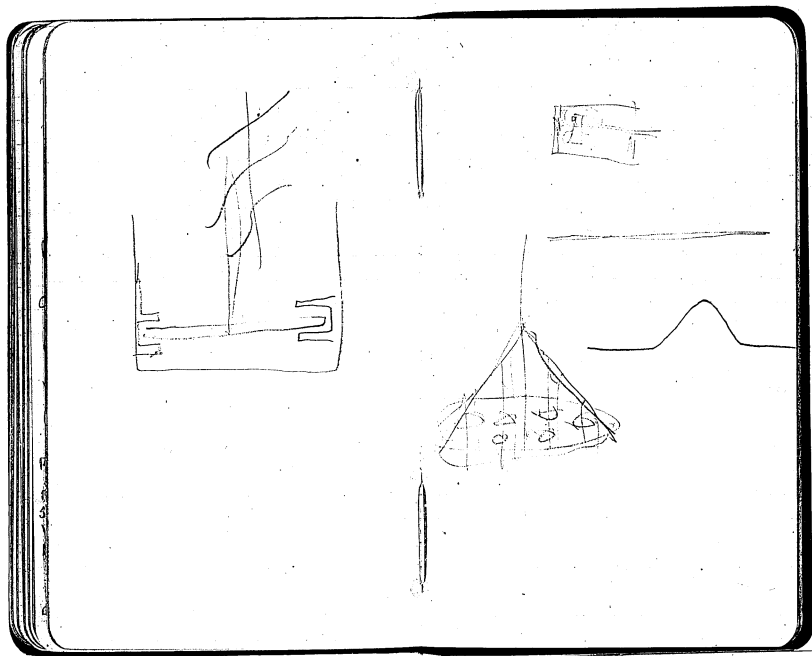
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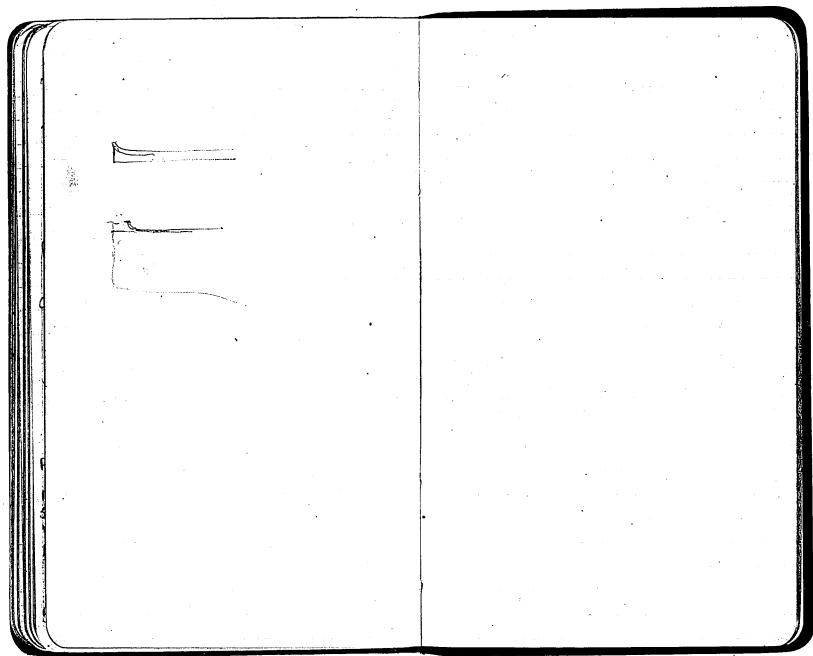
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$$2 \overline{) 56}$$

$$28c$$





Strontium Sulphate only with
flake - 50 Run

1 V	1/2	Hot
273	280	243
327	333	303

Dry above with 2% CuO
 CoO , BiO , NiO ,

Also immer dumps as the
probably bad Cond -

Also with 10% CoO ,

~~also with 10% CoO~~

Dry Carbonate Sr

Hypoxido if belows
anyhow add Catalysts

$$\text{Prof-484 w/ 480} \left(\begin{array}{r} 3800 \\ 3360 \\ \hline 440 \end{array} \right) \begin{array}{l} (7- \\ \text{Cell}) \end{array}$$

$$2500 - 2500 \left(\begin{array}{r} 66000 \\ 10000 \\ \hline 56000 \end{array} \right) \left(\begin{array}{r} 26 \\ 30 \end{array} \right)$$

$$\begin{array}{r} 5280 \\ 10800 \end{array}$$

$$746 \left(\begin{array}{r} 3000 \\ 2720 \end{array} \right) \begin{array}{l} 20 \\ (4 \text{ HP} - \\ 60) \end{array} \left(\begin{array}{r} 4000000 \\ 1000000 \\ \hline 3000000 \end{array} \right)$$

$$9 - 81 \begin{array}{r} 14 \\ 2 \\ \hline 1152 \end{array}$$

480-

$$\begin{array}{r} 144 \\ 27 \\ \hline 1080 \\ 256 \\ \hline 864 \end{array}$$

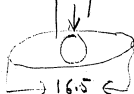
$$27 \text{ tubes}$$

$$\begin{array}{r} 13 \\ 108 \\ \hline 27 \end{array}$$

$$\begin{array}{r} 104 \\ 1452 \\ \hline 144 \\ 3 \\ \hline 3 \end{array}$$

Callendering hat 130
Condensate)

disc 7 3/4. after
Rolling 9 wed 2 -



6117-18-19-13. Not placed
21K2 Ki

6120-1-2 d 6 21K4 Ki.

10308 } KCl sat qcd
10310 }

Thermal night 3 pm
Faintly incandescent on tube.

10341 } K Sulfate -
10342 } Salinometer Calcd
Tube brought out with water from bottom and
red showing from decoloring by the gas
during night of pm

10280 } partly cloudy
10281 } Clearness Chloride

Becky d. settled broken when lost, recorded
at 10:00 a.m. - 4:00 p.m. for drinking water

10309 } Sulfuric Acid water

10340 } not very strong
10 pm Thursday

No swell in
upper part of
red colored tube
red yellow very strong

10344 } phosphate Sodium

10313 } NaHPO₄ 12H₂O

Tube cleaned, no deposit
sat clear

10 pm Thursday

10460 } Chloride Ammonium

5461 } Ammonium

10 pm Thursday

10312 } Nitrate Ammonium
10311 } not saturated

Saturday 3 pm

10343 } Tube brought out from
10282 } Chromate Potash

Saturday 3 pm

6117 } Arsenate Soda
6119 } Salinometer

Noticed water was yellow
from something in it 2.61
Tube decolorized no incand. at
Saturday 3 pm

3763 } Nitrate Soda
3764 } Salinometer

Tube very hot Saturday 3 pm
Some incand at 3:00 - 10 about 3:00

3762 } Sodium hypophosphite
3763 } Strong

Tube brought out Saturday 3 pm
No incand.

$$\begin{array}{r} 7450 \\ 18 \\ \hline 14 \quad 5215 \\ 11 \quad 7450 \\ \hline 39 \quad 12665 \end{array}$$

$$\begin{array}{r} 132 \\ 220 \\ \hline 2640 \\ 2640 \\ \hline 126804 \\ 48 \\ \hline 1266 \\ 5190 \\ \hline 5190 \end{array}$$

$$\begin{array}{r} 40^c \\ 10 \\ 20 \\ \hline 144 \end{array}$$

$$\begin{array}{r} 1009 \\ 70 \\ \hline 9.39 \\ 1266 \\ 519 \\ \hline 1785 \\ 1120 \\ \hline 3570 \\ 1785 \\ \hline 21420 \end{array}$$

$$\begin{array}{r} 1115 \\ 939 \\ \hline 1.742 \end{array} \quad \begin{array}{r} 216 \\ 126 \\ 9 \\ \hline 216 \end{array}$$

$$\begin{array}{r} 17500 \\ 12 \\ \hline 35000 \\ 210 \\ \hline 210 \end{array} \quad \begin{array}{r} 24 \\ 124 \\ \hline 124 \end{array}$$

$$6- \quad 25 \text{ miles} - \quad 16-12 \quad \begin{array}{r} 30600 \\ 24 \\ \hline 680 \end{array} \quad (2550)$$

$$\begin{array}{r} 1700 \\ 18 \\ \hline 13600 \\ 1700 \\ \hline 30600 \end{array} \quad 2100 - \quad 36 -$$

18 miles -

$$2 \quad \begin{array}{r} 18 \\ 180 \\ 30 \\ \hline 120 \\ 120 \\ \hline 2100 \end{array} \quad (116)$$

$$116 \quad \begin{array}{r} 1350 \\ 750 \\ \hline 600 \\ 540 \\ \hline 6.4 \end{array}$$

Notebook Series -- Pocket Notebooks
Notebook, PN-11-12-01

This pocket notebook is probably a continuation of PN-10-00-00.2 (see *Thomas A. Edison Papers: A Selective Microfilm Edition*, Part IV, reel 178, and *Thomas A. Edison Papers Digital Edition*, NP086). The dated entries are from December 1911 and January 1912. The book was used by Edison to record ideas about business matters, experiments to be tried, and other tasks to be performed. Many of the items have been crossed out. Included are notes relating to primary batteries, storage batteries, and battery applications such as country house lighting, automobile lighting, and miner's safety lamps. Also included are entries pertaining to the home projecting kinetoscope, the kinetophone, and phonograph machines, cabinets, and records. In addition, there are notes regarding inventions to be patented and inquiries to make of the Legal Dept. about patents already applied for. Toward the end of the book are four pages of notes entitled "Chapples Book," in which Edison evaluates some of the individual songs in Joe Mitchell Chapple's *Heart Songs Dear To The American People*.

Among the numerous Edison employees mentioned in the book are Edward L. Aiken, assistant superintendent of the Edison Phonograph Works; assistant engineer John R. Anderson, Jr.; chemists Jonas W. Aylsworth and Ignacy Goldstein; master machinist Robert A. Bachman; chief engineer Donald M. Bliss and his successor, Miller Reese Hutchison; Walter H. Miller, head of the Recording Dept.; experimenters Charles T. Dally, Daniel Higham, and Alexander N. Pierman; machinist and longtime Edison associate Frederick P. Ott; his nephew, chemist Ludwig F. (Louis) Ott; Brian H. Philpot of the Disc Record Manufacturing Dept.; and machinist Albert F. Wurth. The pages are unnumbered. Approximately 150 pages have been used.

60A4 to Ephrons was shipped June 16 1908
Lairson 60A4 Feb 15 1909

Macpherson - Mich 13 1909

Galtzaru May 13 1954

Myospiza *discolor* near 25

Great Vehicles June 8 1909

Epionopsis July 13 1905

February Aug 16 July 13 1904

10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1041 1042 1043 1044

23

Spafordville ²³ Jan 25

1970-1971

Follow up Wilson on 415 San Diego.

5aphores -

10-10-1945

See Blue about ~~new~~ H. -

~~about new River~~

See Blues about Mervin and

For Instructions see (Enclosure)

for *Salmonella* in *B. cereus* type
kerckhoffiana in

referred to as

has π of the

See Smith about cleaning

up station Galloway + 2nd

ut Valves are also in Trachea

Dialing pass 502 ~~not through~~ Count
Copper after iron recovered by magnet
This reduction basis for use &
forms H₂SO₄ -

Maxwell for General O'Brien's
Representation for all the
interests -

RA. Break up 74 through 150
Mesh reduce part full pass
Nitrogen, Water make
A4 Cells for use in Cold
also interests -

Henni - find good substitutes
make the experiments in telephone
over again - also, produce
as best ask cause & remedy

Bless - hereafter 9 ~~all~~ stuff to
be made in shops. Has that
book been kept up

Bless New underfiguring for
No 2 get it ready how
whole vehicle is running

^{get} ~~the~~ all ~~take~~ ~~me~~ over
to Concrete Cabinet,
see progress & arrange
things -

Find out ~~the~~ per diem
charge -

Ask Benson for pay roll,
Legal Dept, Maxwells wages

Has Maxwell gotten 5000
sent, No Nickel mentioned
in French shipments

See Hubal about Fox going
to London, =

Wiles - How about Clockwork
big machine worn down -
fail to Regulate /
steel on steel - gk,

Waller Miller - How abt ~~Exposure~~
when we take due to retake
Cylinders to improve it,

See Hudson send note col. at in
necessary to max. on our
business - also if he would put
sell buttons - storage of case
give him a good old account

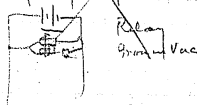
Pace about Ealing Thompsons
Sphere of activity -

Dec 1 1911

* Bergeron - About keeping
film in England + Berlin
Separate the -

Tell Nestor about House
Lighting =

Bliss. Set down + draw out
Relays + Soundings type, for
House Lighting Relays + also
also



Bliss How get along
Reynolds for highly photos

Wilson What about moving
Spieg pic over here in tent

Wendover - Catalogue
tent.

Call - How about having a
taking Camera supplied for
physician picture of to be
called on any moment,

Walter Miller - about talent
+ what to do -

Harry Up - Pick up heating
Mound - Also about place
in factory to prepare Mound
go see the details -

Call in + see if help at place
+ plans -

Holland to prepare book of
Curves - all sizes + phenomenon
Capacitors + dielectric
Museum for the discussion of
battery to all conditions
for engineering Dept
Fund Elec + to other
Copies for other Cos -

Goldstein - makes several oz
of the Colloid $\frac{1}{2}$ from
Electrolysis, wash/dry +
send to RA to see what to
+ nitrogen for Cold tests

Kenneth Hoff - Henry Lamp

Leonard - How about
Bergmann's experiments -
+ Worms -

See Weber + get Copas
for Cabinets of the various
Kinds of light is wanted
to increase -

Go over to Bonville Cabinet
place + increase to \$20
per day. Capacity -

Have chg + discharge Curves of
Normal made by resist to after
get them Cold Eggs -

Boy make up all the 4
pockets of Non cold iron
for test purposes, ~~put~~ also 1 more
or 2 5 gms of 4 pockets get done,

Put 6.00 + funding some thing
that will come HgO to 60
fairly sol in 21 K²SO₄ (my
Hg Diphosph - Hg Cy. use)
clings acc. of unanalyzed
Try Cyanate Hg.

Of addition ~~precip~~ 16%
B₁ with green acid 3%
HgO with it, use water
Make loading lot 7,000 etc

Get some Dry HgO + H₂O₂
boy make up 2 cells 10. 16%
green + mix 3% HgO with
of 3.5% - see how it works

Try Hg²⁺ to sol in K²SO₄.

Make Butyl sol in
Mercuric oxide with long water
disolve - probably disolve in K²SO₄

Oxybromide Hg not it coming by K²SO₄
perhaps it is the sol. with
Hg²⁺ + H₂SO₄ in cold sol in K²SO₄.

See if we have a Remith cell
ok if so - out K²SO₄ +
put in some HgO in the tubes
Mechanically, cells see if we
have enough Hg²⁺ 16% to
Make an A4 cell - for
sue in Hg Salt + precip
HgO 3% in green

See if we ever made an
A4 with R₁ big lot
1% Cal alt if not do so

And we suspect closely
the work at B₁ also - also
have our models of parts -

Ask Hutch how far apart are
plates in $\frac{1}{4}$ Pearson battery

~~Along~~ ~~Walt~~ ~~Walt~~ ~~Use~~ ~~Large~~ ~~Walt~~ ~~in~~ ~~Car~~ ~~Walt~~

~~Try~~ ~~out~~ ~~down~~ ~~small~~ ~~large~~ ~~Walt~~
~~see~~ ~~if~~ ~~large~~ ~~funnel~~ ~~down~~ ~~five~~ ~~Walt~~

~~Test~~ ~~Cellular~~ ~~Recom~~ ~~for~~ ~~Walt~~
~~Use~~ ~~Malloy~~ ~~to~~ ~~see~~ ~~that~~ ~~Walt~~
~~on~~ ~~battery~~ ~~at~~ ~~Walt~~ ~~Walt~~

~~See~~ ~~How~~ ~~about~~ ~~getting~~ ~~Electro~~
~~Supply~~ ~~House~~ ~~Walt~~ ~~Walt~~
~~Also~~ ~~all~~ ~~the~~ ~~Engine~~ ~~people~~ ~~Walt~~
~~Lighting~~ ~~to~~ ~~Walt~~ ~~all~~ ~~Walt~~
~~See~~ ~~Walt~~ ~~Walt~~

Smith, Curran checking
Sph. $\frac{1}{4}$ of Walt Pearson
pull. Lead over Edson
then Economy Curran beside it
& Mean of both Curran

~~Walt~~ ~~Walt~~ ~~Walt~~ ~~Walt~~ ~~Walt~~
~~Walt~~ ~~Walt~~ ~~Walt~~ ~~Walt~~ ~~Walt~~

~~Wm Wallace Nichols~~
~~Vice~~ ~~President~~ ~~Allen~~ ~~Chalmers~~ ~~Co.~~
~~Res.~~ ~~to~~ ~~Ed~~ ~~Walt~~ ~~Walt~~

~~Be~~ ~~sure~~ ~~have~~ ~~quality~~ ~~of~~
~~Walt~~ ~~Walt~~ ~~Walt~~ ~~Walt~~ ~~Walt~~
~~Conservation~~ ~~Walt~~ ~~Walt~~
~~Walt~~ ~~Walt~~ ~~Walt~~ ~~Walt~~ ~~Walt~~

~~Walt~~ ~~Walt~~ ~~Walt~~ ~~Walt~~ ~~Walt~~
~~are~~ ~~Walt~~ ~~Walt~~ ~~Walt~~ ~~Walt~~
~~Walt~~ ~~Walt~~ ~~Walt~~ ~~Walt~~ ~~Walt~~

~~Walt~~ ~~Walt~~ ~~Walt~~ ~~Walt~~ ~~Walt~~
~~Walt~~ ~~Walt~~ ~~Walt~~ ~~Walt~~ ~~Walt~~
~~Walt~~ ~~Walt~~ ~~Walt~~ ~~Walt~~ ~~Walt~~
~~Walt~~ ~~Walt~~ ~~Walt~~ ~~Walt~~ ~~Walt~~

Put to make several
samples now now

NO H₂O

2% 4% 6% 8%

10% 15%

for Curves capacity &
Cord & flat tool

Get some sugar, also
No sugar in

Thompson of sugar in
Small film of sugar
take leaving (no sugar)
any time

Dodd Make some
Asphalt & cement with alkali
use diamond to turn off
if saphire don't,

also some Curmanto with
just enough wax to get shape
ok also anything harder
you can suggest,
The turned off with
Diamond & Diamond record
tool if saphires won't stand
up. also Condensate partly
hardened, also shelled &
tetrahydro-napen - so as to
be cuttable

Charles wants the
body - Make 2 Copes
of some of the
Mentol -

Now for the cement
Cement, etc.

Testing delands get
man & equipment low
Wg - too high lamp,
It should be cast (used)
temp., great trouble
is solving,

See Philpat if he has
all his plans

Get all drawings of def. mod. ~~required~~
required, what drawings
necessary, what new mach-
required, designing
& number of each mach-
required

Get some def. from Smith or
elsewhere to do testing on
delands, to pass and
forward from lab to Lake
go down to work &
see present lab

Test, delands with NaCl &
various % of K₂SO₄,
Thrusts increase

surface,
try pulling electrode near bottom
as now case what occurs -
Try stronger NaCl,

Add Hg by using Na amalgam -
tell, reason why Zn was
bad & ox add the Zn to hat
& big distill off - plenty Hg
ox best stick - sodium may be
good.

Dip Cells & Cables

How is House in ~~Bank~~ & down

See Relay regulation

Hurry Dynamometer for auto lighting

get Myers answers ✓
Tubular, Sunco pie plan

ditto ~~ditto~~

ditto new plan ✓

Have Maxwell move up
to Lab & take charge -

Don't forget Blake 26/Blum
to advise on New York Eng -

How about getting services and
consulting up at voice transducer

Regal dept to furnish the
Non ferro paper ✓

Patent the strips across
1/8 tube plate, thread
pale move, the valve
the 3 Xtra pins on last
to plate -

Patent new cylinder / repress
higher box -
Set if Callahan's new
rubber banding plan patented
patent Dynamis & East has
auto where considered &
discarded ✓

Relay regulation & voltage
pat, new show for cutting
has new way loading
iron in pockets been
patented ✓

Patent liquid for & then
melted the cell & crate

Bring singer receipt to house
& listen informal tubes -
again & criticism over -

Collect of records that we
can use on disc
in locked boxes

Get Philpott ~~done~~ that
Plan has to be done tonight
on new cylinder & level
for gravel with cemental
cylinder & level.

See Wirth & want him to
devise new methods of
handling materials to stop
indexing the files.

See the W. & J. desk of Henry
people Monday or Tuesday.

Ask Wirth if we can't
put gold on cylinder way
& plate Michael for 1/4 1000
then Copper it allowed
not peel.

Hulsh - What about
that letter for George
Cobb, asked you a return.

Write Wallon & give him
the Zone System & 1150 & 1250 -
devise to work out & allow
data from books - leave him
get exhibit 11th census, then published.

How about Cyril Catalogue
writer -

How about, Catalogue enough
for reading for personal lighting.

Boy to give me the new from
pockets, & see Calliper as
compared to regular for
same weight.

Waller Miller will send over
voices, listen & give me -

See Wallis & J. get complete
Cabinet of records which
may be used & done.

Have all the persons collected
or listen to singers -

Can an interested singer
have a tune at sight?
few make big arrangements

Which how about poured
full 182 etc. (or nothing not
would not poured -

Memorandum 811
for Phelps

Attend to trial tubes on
crayons of C. Lakey -
do in off of Lakey -
do on or close out flake
from the - (copy)
try scoring out nickel
from flake

Turning attention to black and
white, work to make powder
blanks after having as high
up as possible to see if we
can reduce this flake,

See progress printing small
film -

Turning to the press, labor
in black and white, not
ZnO, it was not known
absolutely, then just of the

Get best results would
"3000 daily doses"

Get that 2 pm Record
Walter made of
various experiments -

~~Walter Klesin~~

~~Big photo fine Ralls~~

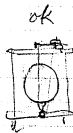
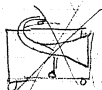
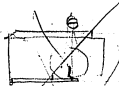
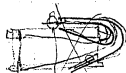
~~little Big Ralls -~~

~~Servings~~

~~for Lab -~~

~~Witch peak out for 4 old & 18~~
~~that will give 75 or 100 amp~~
~~put in 6 of fully charge~~

~~When your seal part breaks~~
~~look for chlorine close it &~~
~~swell thru a 1/2 inch hole~~



~~Anderson~~

~~Take Anderson over to~~
~~Philpat who has the~~
~~different chemicals~~
~~Philpat wants,~~

~~Atkin, call me down~~
~~when you get a greatly~~
~~swelled powder blank~~
~~want see it -~~


~~Witch little for Monst~~

Goldstein - use raphs &
precip N^o 4 from Orange &
manganese sticks, such &
double salts, also from
Zinc precipitate, say
phosphatizing, & others,
Arsenic, etc. Carbonate

See how old a get beat Ho
Salt for 21% he has got
try on old E 15

Ask Smith if he found
out about ~~precipitation~~ on
B4 Ironing

figure out cheap ~~ways~~
Electric truck cart
SB around well light
see how low 70% water
off on

 Zinc Sulfate Zn poles
gals for Regulating
a selenium. Home by 1000

How old = deposit 1/2 in
Storeroom Ho Electrodes then
distill Ho air in Vac -
see quality of air 7% -
for 1000

Mark all old ~~Galvanic~~
tunes not counted on
disc from sheets -

Get list of ~~usually~~ &
other ~~things~~ & packed
out with 1000 man

Extra ~~Cybernetic~~ taking
March 2 pin -
test 4000 for Orange

Walter Miller asks
if \$1000. a song
then 500 in Orchest
if 3 singers 333 +
if 4 \$250 - will this do

Get list of singing schools
Church Choirs, Oranges
for testing voices -

Rec if any vocal teachers
in Newark or Orange

See Gerald Music lesson
Compend. Organ w/3
get sampler in best
conditions etc -

Walter Miller says
a tune played same time
if possible by every
Orchestral instrument
on General Concord - Each
top Solo -

Have Blue print enlarged
made from copy of
Orchestra notes on Series
from Mapam book -

Have some new fs made
up teal in B4 cells for
Cognate & Old also
2 A4 - ~~see~~

See if we can get green of
not make some by green in
solution then make
B4 cells & Reg Salts -

Hudson River on valley unless
Chy valley in depth, by a shoe
for 5 seconds at 1000 ft. or 300 ft. or 1000
The valley also by the head light. The
decs, lands, do chy at named House

McCherry, a link of talk
a Ads for new house now
is time to get ready.
Examples of Ads in Catalogues

Little small Kuntoscope
Catalogue + list + samples

Watch you 3/4 up see
Barbour night night

Sunday King gets 100000

Patent notebooks between
Celluloid & Plastics
Paris +

Put in groups of 8 cells -
2 groups ~~100~~ 1000. + Reverse
for several hours. Then soak all
night + Empty, put in new
solution, soak all day Empty
+ put fresh cells chy, suggest

Canalys groups of 1000 with
do some thing -

Both above groups but not
reversed -

See Blues of front of
cycle -

Have George H. H. H. H. Type
write books of times
2 Scrap books -

Get doz books like
this +

Give set ~~big~~ Old Blue print
the phulpat

See Weber about moving
that repair shop over to local
room -

Ask Phulpat about the
new ~~business~~ for plaster
Paris -

Phulpat if there ~~monomers~~
of home vapor come
same material -

Harry Lott in ~~Electro~~ Hy to
Spot -

Get some flour, stuff from
Potassium - heat good +
use magnet only if needed
it = also much + stick down
milling, pan on glass for good
also eat acid + some on glass

Cable Mount of Benda Patti
burn pain

Make some of the most Conc
Chloride or sulfate, have maximum
solubility. Soak ~~up~~ then
dry + press & wash + dry
then do it again -

Take out sample, then
do it again + take out
sample + immediately do it
again + that will -

Use 3 each test
Ask Gaidelson for most
Conc salt is the overmost
hydrox of Co salt,

Gaidelson prepare to get
30% Cobalt - Nickel
+ Green Hydrox to get
good load even if
use roller -

See that those new pockets
are put up & run in cold
to make sure

Get some more of the new
1/2 from the plant,
for a cold test -

Turning up 1/2 to
get them 1/2 for 1/3 of cells
for a cold test -

Check down the pop in walls
so 20% fine particles go in
mix -

Take 3 short tubes +
dip in Conc. Cobalt sol
+ wash seg
another 3 double dose
think this good as the
initials Pt -

also 3 Run tubes wash out
dry - dip -

Move Maxwell somewhere -

Look at Tubalther material
second again -

Look at films -

Look at 1st dat. tubalther second
see if ok. get -

See Cabinets if they got them
OK -

Enter about the del Cell

Watch what are tubes

1/2 quantity -
its very expensive -
why cant they use drafting
also the company made it
see house lighting Relay
set -

Send for Lawrence now or near

When will little truck go
out again?

Chromium alloy not as
good for the battery as
Cromite being save fuel.

When a law is passed
the ~~obj~~ of good
work and labor rule
this is proved by an
inspection of the
Law Congress and
allowed to the

1538 Rd is new
for 30 lbs down

Hutch - Load new ~~fy~~ with
different weights also with
some ~~from~~ 100 weeks -
to increase loading weight to
7.5 and not increase mileage
over ~~avg~~ ~~fy~~ a run the unit.

Take up with ~~fy~~
arrangement for 20,000 discs
daily - max 1000 min -

Write NBS Limited to ask
what work is to assume
them -

Walter Miller
How about John Mauborg
Contracte Bernard Pasquale Dupont
Florence Wickham Contracte
Leonora Sparks Lophraus
Walter Miller Open

See Pieman steel diamond
Repts for cylinders —

Wilson Report on progress on
Reproduction, large needles
& the others —

Went by trying plating Ni
from white wash

Went
stated here

until proper thickness say
10/1000 then build up with
chipper by transferring to
another bath — until bright then

Study the record of
the orchestra instruments

See how M. B. is getting
along on scales —
if there gives him time

Ends in 10% time books
the balance of time now in
leafs —

Have boy get all the time
records —

See if Walter sent over the
new latest time records
if so bring to house & look —

Give Anderson new
Karp shaped line of disc

Go over with Anderson
see Philpat on ordering
needles —

Test Philpat on several
summers for Anderson

see if Smith got the 2 A4
new ~~to~~ —

Kammhoff police
Missing ~~sample~~

for up recovered flake
of Examined Meers & West
in 2 short tubes —
Do the best piece of flake
see what can be done
with Green —

See Messwell if those Cyp &
bal Home will be ready
for Saturday —

Open what done in re
fox —

Blue print of chakra was

see House ~~relax~~

Bachman of ~~James~~ truck
Fred left
Have ~~had~~ ^{had} him with
his sample lamp if we
have one with ship with
also see what flake
done —

Wilson & M. Bayless Jewell
Have you selected the
4 ~~demerol~~ ^{demerol} ~~leaves~~

Walter ~~Travis~~
groves Dictionary of Music
page 329. Carlisle Chavaleri
middle of column on right says

"Certain voracious production
of the voice, a fault common
among bad singers and known
as 'trill', 'shake' "

Trumpet is used in place cornet
in some instances

Tabasco - Idmyant Long

Adrian - Run ~~poor~~ for blanks
of Cresal ~~him~~ just same
is there at ~~the~~ we are
lost in the ~~also~~

~~Meals~~ ~~of~~ ~~de~~ ~~Chene~~
~~Church~~ ~~Chene~~ -
~~See~~ ~~Dalber~~ ~~W. Con~~
~~scarl~~ ~~the~~ ~~job~~ -

Walter Miller Usay, ~~Donce~~ ~~John~~
Westcott - ~~Donce~~
Madam Tom Doornhoff - ~~My~~ ~~into~~
1186 Madam Ave. ~~Central~~ ~~to~~ ~~the~~ ~~has~~
Paul Renedot Jones ~~Port~~ ~~to~~ ~~the~~
Edwin Adams, ~~Wish~~ ~~amen~~
Baryton - ~~Gula~~ ~~Inday~~
Kathleen Parlow ~~John~~
Blanche Showalter - ~~Paulo~~ ~~Group~~
Celloist - ~~My~~ ~~to~~ ~~the~~ ~~into~~
Clifford Lott ~~and~~ ~~Donce~~

Mered Morgan ~~Harriet~~ ~~my~~
Reethoven ~~to~~ ~~the~~ ~~my~~ ~~philharm~~
Mildred Potter ~~Central~~ ~~my~~
Coast ~~to~~ ~~my~~ ~~Donce~~ -
Boris Hambourg ~~Celloist~~ -
Magnum Newgarden ~~Mezzo~~ ~~soprano~~ ~~my~~
Edna MacStocker - ~~Mary~~ ~~to~~ ~~the~~ ~~Case~~ ~~to~~ ~~the~~ ~~word~~ -
Frank ~~My~~ ~~to~~ ~~the~~ ~~word~~ -
Clara ~~to~~ ~~the~~ ~~word~~ -
K. Patterson ~~my~~
Idella ~~to~~ ~~the~~ ~~word~~ -
Clementine ~~to~~ ~~the~~ ~~word~~ -
At German Conservatory of Music
College Hall 125 130 E 58th St ~~my~~
Mina Wessel ~~to~~ ~~the~~ ~~word~~ -
Kaggle ~~to~~ ~~the~~ ~~word~~ -
Marta ~~to~~ ~~the~~ ~~word~~ -
Emily ~~to~~ ~~the~~ ~~word~~ -
George M. Sulli ~~to~~ ~~the~~ ~~word~~ -
Marie H. ~~to~~ ~~the~~ ~~word~~ -
Geo J. Stacy ~~to~~ ~~the~~ ~~word~~ -
Serafino ~~to~~ ~~the~~ ~~word~~ -
Zina Brozia ~~to~~ ~~the~~ ~~word~~ - (41)

Shanna Cunningham Soprano
Rosa Linde Contralto Paul Dufault Tenor
Gardner Lamson Bass Baritone
"The above artists gave "Fugate"
Quartette at Seattle Convention
Manager F.S. Brown at New Musician
Theatre arranged the above singers
Musical Courier Oct 20 page 61

Rosa Olitzka Russian Contralto
John P. Barnes 1st Baritone
Hankley W. Clark Baritone
Edmond Almont Tenor
Clara L. Roberts 2nd Baritone

Get the 21 Cells - put up one
with 100 mg Hg Cy per Tube -

Another with Hg Salt & acid &
put Sol in fresh 20 Hg get in tubes
another Substrate K - another 5 of P21 Salt 211124

The boxes used for Master
records are too flimsy - get
model of better ones

Walter Mella Want
Cello
Double Bass
Harp
Oboe
Bassoon
Saxophone
Trumpet
Horn

We were disappointed at the sales
in San Fran - what is it

Blow note low sloping near
horn then at 8000 ft until
at Wall note also waves
also use for ~~box~~
also talk show as did for
loghouse - do some out doors

Get Patito men all go &
keep him on reserve himself only
until get something clear
for him -

Rig up Reel with Micro to
Examine film for own use
then permanently for Gull -

Lower Oil = get salmon
for Bismuth on 2142 hi

Full Thompson about
film - 500 ft film & 1000 ft

Walter Miller / Ask Collins names
of song several years old where in
Chorus words My Sambo is
used -

Hutch Cant I have her
draftsmen to help out on
baying out with Herley
Disc building now a day
late I up with it (Kou)

Atkin try to get record
blank, nothing else same
problem as physical -

See Constitution 33% test cell
1/8 tube & strips across

See about C10 Model Cell -

See Weber about moving

Thompson tool room -

Ask ~~possibly soon~~
for Model ~~starts~~ - ~~between~~

Better Tin boxes for
Master Records
Also Cylinders

Start changing at battery
at 32- + see how it
changes & capacity

Yarnell ~~about~~
Industrial moving Pic
film - long exposure

Put man on Shellac Tels
to collect up ~~case~~ used
for Higham recording
Cylinders

About the rubber ~~drum~~ blue
records - ~~patent~~

Pict ~~Pat~~ on ~~harder~~ recording
Record -

Think Mello Can get back
Music on ~~harder~~ record (12)
cylinder

Ask Philpot why he can't
have a ~~filler~~ of ~~Cauler~~ piece
to cast ~~align~~ & cur -

Pergeon Cost in detail
film per foot & average
amount ~~rec~~ -
dolls Europe -

See Smith ~~how~~ way turn
B4 run in 33' ~~if~~ enough
take apart -

Smith look ~~cur~~ 1/8 end ~~man~~

Ask Philpot how many
feet free air with the figures
for 5000000 D air 20 hours
I make it 6 ft min -

Philpot show me how he
jumps records, of new Reebos

It is probable longer & longer
funnel can be used in the
tent,

Give Maria Brown to sign Dec
26th = see how long she takes -

Get Oliver Watson & Schinner
Catalogue of Marine publications
Concert Programme, Arias
Dante to the Antarctic 3 syllables
for mixed voices -
Also found

Tell Walter we even
dug from close to Cylinder
good -

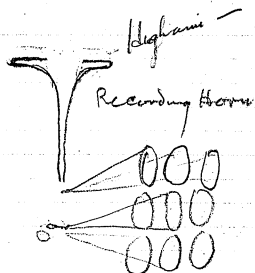
After 3rd run new to select
the weight for jumping iron
that gives 7 or 115 grams
& make 2. 4 cells for
teeth -

Rabrogue how about
new for lower teeth also
ground fumes, being them
up -



Rep. 1000

Time for recording
just opposite our
new Reproduction



only 1 horn recording
when closed at end

Waters, 2 months ago
was to put valves in
Batter -

Leonard says our purchasing
act is in partnership with
Sloven the jew from who we
purchase stuff - Coal Copper
oxide etc - does please
info buy Coal from him,
its said to be not -
Leonard gave job to William
with out getting estimates -

Walter Miller says Picman
make you a Japanese dia with
Cork Center for 1000 seconds
several times -

Abrogant makes some very
fine Vens from 10% H₂O -

Screen out them 100 weeks following
from bag but need to see how
it deals with certain weights

See Anderson + Philpott +
Aiken + start the orders
along for Equipment.

See Wt to furnish the grain
Hask record while I gone

Start that boy that is
Lacquer on Shellac + Tolu
Napthalin etc with other
things to get hard.
Record for Program -

See Al Winters + give him
2 or 3 Records that he
can make + make sub
masters also - those made
for me while in Europe
put in book -

Hutchman press some new
Fe Cakes in smooth steel die
we used to have use greatest
pressure + see if it sticks together
well, if so force it in an open
end pocket.

Hutch - Open up the cell with
5 1/2 gram ptes press Fe + make
some with 3 1/2 gms out 20 lamps
+ put plates back + run again

Put Petri to work on hard
record for Program - doc +
Tolu + other things -

Make up new Fe grids +
add twice as much Fe
drip with high Fe + old same
Try Calky that -

Figure out train, program
Record formal letters + books
+ Abstracts call in Fe +
Do by cell -

Tell test man to test those
lots of new F_2 cold -
also put up the new ones
now making a test cold -
also the ones with twice the H_2O -

Test those rows of F_2 that
were screened out to defoggers
take them off the air and
test cold -

Get best record on Dave
With press in new month
Darius & Tom new Coverite
Cabinet - getting more
Can raise it to use the
records -

For up turning fork
Highman -

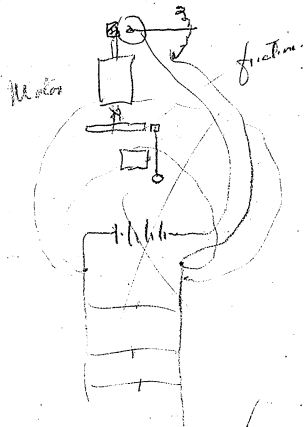
Paint concrete with
aceloculature & type white
see how it goes -

Get funnel fitted to car
& valves - (try seals
with reflecting sheets)
Refuse sheet & wood
see quality & hardness
all in open air -

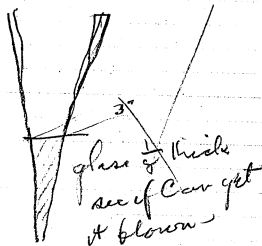
Hand tag



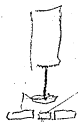
House
(tag)
ampound



Water wants to cut out
 Res friction prevents until
 off then water cuts out
 till friction comes on
 again - No Controls



5. Rent phones
 100 - month - they buy
 Ream



gears down
 Circuit coming in
 up around on
 Relay knob

Reconnects into right
 or left -

Wires down



Daraphim Park -

probably limit - plenty of
 farms owned here -

It takes across across bay
 R.R. 1st 9 saw at ground
 Big Car shops - none here
 here -

Work out a screw feed attachment
 to Victor + arm - also pulling out
 from whole apparatus in Victor
 Cabinet -

See Tait's Bi Cell

ditto new 7/2 also could
 test this together -

Wilson why want
 Negative Machine
 finished my man

Mallory Lihue The Coal
mine workings make a
dark coal that floats w
See about it -

Not spinning high enough
on washer to throw dirt to
surface. See 10B2 - Not in use
- do not clean right off -
Please
10B2 should have washer
see what comes

~~Mendozait~~
~~Man to woman angle~~
~~Sight readers can learn things~~
~~from notes - Good even~~
~~advantages~~

Have some regular 42
Rockets made ~~needed~~
Corresponding digital pressure
pressure then increased
by 20 atmospheres ~~total~~

~~Rogers pocket, 005 clock now
Rogers, Reg pressure &
Corningham~~

Moore tell Piersen how make
1/2000 gap Luc p. 405 Cook center dia
of small size 3/4 -

~~Find out from W. Miller
What Opera talent will
sing for with name -~~

~~Also makes 2 $\frac{1}{4}$ inch tubes with the newfs with flecks & 2 without flecks & put up with 4 put 1 row tubes up with 4 new tubes.~~

Walter Miller see if he
can get use of an armory
to his Experiment, plus
permanently or divide between
2 armories

Or a large flat roof for
tent & sand bag floor -

Piercing makes a sound
on dark Whistles of humming
sounds of the words spoken
by Edison without vowel
sounds to see how work
in Means - If humming
sounds are done then
Higman can use a big
bottom wire or more wide as
they will in duplicating
not fall into big vowel below
but fall fully in hiss
- track light -

Higman try Ballou's
Carbon Telephone to record of
ok try 2 of them in series -
Multiple

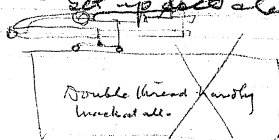
Have boy run blue Amberol
on 10 diff. machines
see if no group -

British helian must use
have 1/2 American
cellar -

Did I get the record
between Columbia &
Plaster, Paris -

Hutchinson Red hair
Norton

Get metal very
thick to ~~amalgam~~
+ press out the slag
a couple to full pocket
- set up ~~the~~ a case



metal metal loaded
cheap - yielding between
probably only top weight heavy
if can get right yielding material

Aiken - Test seal materials on
thick double thread to see if
Metallic ^{cast} material itself is ok -
before using on couch thin for
tests.

Use a photograph on table
with wheels and Cal Stewart or
also ~~memory~~ of ~~flame~~ the last
Valentine Gains with ~~flame~~ +
also Record " ~~work~~ on

Have Norton start Lab work
on Iron alone -

Mendocraft Lithic Kamm. City
tent when shipped -

Motor for ~~Six~~ alone

More ~~clates~~

get name of auction
highest level

Make 2 dog Cym
for Iron 506 2246 -

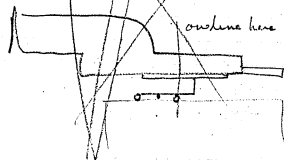
Weekly Reports on progress
of School Individual
picture -

Go down tomorrow sat
see how film made
picture -

A day in Metallurgical
& Chemical Eng. & O.C. (the
Mining Gold)
Mines & Eng. World
Chicago & Edinburg
Balls & Gold quantity & quality

High Cost of Living
by Hiram M. Hartwell
pub by Joseph M. Wade
Boston Mass

Tell Pearson to put sustaining
ball thin



Ask Bliss why we can't have
Carbon dyes



Advised to Requisite Valleys
on Autos,

Ask Blass why cant we
split up a 60 cell battery
in 4 15's and use 4
transformers. OK. Each battery
separate & vibration multiple
to with 60 & 1/2 in each
branch of 114 40 amp

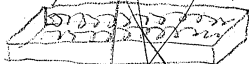
Louis 6th dec of Simpson
Prong has a real big
ceatlin, with def metal
as ornament -
ditto Johnson
" Selenium

Make up a C 8
with 3 tubes high in
plate, also find Extra
Cost - use strip in
center here too

Goldstein where are the
nickel from different
acids from Rall process

Walter Miller
Columbian 1081
Claude A. Cunningham

Pierman Record
loop at different speeds
on cylinder & def deslam
Edison will do it -
Want to see if higher
speed wont give better
Consonants



Spirals in 76 pocket

Jungsten Contacts -

Bliss How about Geberals
Cement - How is planit
calling on
How about clipping
out again
How about Crystalizer
Features -

See the film (and
the code -

Smith sent new 42
At 4 in case case

Got Hopkins 2 Vals
Coming down to
Chem Room & send
the young man in
some thing -

Electro. Hy. now
4997-8

Hegham - new long paper
fundamental for 1000 - to
throw out further - none
to test if it really does
but same small cup
diameters -

Electric Motor for
bag design -

See which large balls
of new paper in K 4
also which balls samples
of big paper with
knives + 4922 sec of
alpha -

Disc adds - In C's
Adv dealers of 5 also show
part 5 of adds in
1 for each in same
Column & any other
instead of other add

Atlas Engine jobs
Indiana
Druckling 10 gals per
100 KW at Englewood

Halland Truckman
What test have we
that proves nickel
plating is welded
properly to steel
Stick - have shown
Rogers that it cant
- all cracked up -

Speaks to ~~Blues~~ gay Motor
to all out of proportion too
big for work for Regulation for
House lighting

Mention to Miller the
Metallic extra Vibe in
Voices in the 2 best singer
of last lot fine, 10 - what
is it

Nymphs & Fauns.
Waltz Song

Good

H. B. Rosenberg

Drawing hand turning
off machine -

QV Truck 1/2 wire in
also what they had made
rec. Halland

~~Handed,
Kears Mungat Rogers
letter detailing home tests
with explanation why no
answer to letter~~

~~Low Oil = very new
at experiment, Penwith
Salomon 150 deg
filter not to test,~~

~~also distill to Hg in
in Vacuum + but not all
Hg off go to deg above
boiling point,~~

~~In 3 weeks ending
Recording man back from
Europe to get unbalanced~~

~~test voices - no requirement
like at Nohai~~

~~Read off for Kighan record on
microscope~~

~~listen to some left the furnace
+ the photo of the
+ Nohai~~

~~try Universal Cook/dia in 3/4
machine for Kighan - very delicate
spring pressure holding Knife~~

~~also try one like Kighan 1001
on piano + 27 funnel
+ paper weight in recorder~~

~~Drop note to Kighan end of
he told about about
spinning full what moved~~

~~see if Kighan's 1001
Metallic~~

find out what ~~Memorandum~~
Montrose spec work are
why they don't go on test

Bliss is what ~~But that~~
Depends on Pierce Arrow
City Council -

Asken about their discs
scratch my ~~disc~~ samples

How about ~~the~~ ~~fixation~~
Government ~~of~~ ~~Colorado~~ -

JV Miller is ~~the~~ ~~Norman~~
Compressor men about ~~over~~
job - ~~at~~ -

McKernan ~~is~~ ~~to~~
about ~~the~~ ~~compressor~~ ~~job~~

Box in ~~interference~~
on Bakelite, See gwa.
+ legal ~~Box~~ about ~~interference~~

Patent Echo ~~per~~ ~~of~~ ~~room~~
look at Tent ~~experimentation~~
Next bags hanging 3" thick -
also ~~forming~~ ~~raft~~ ~~floor~~ ~~of~~
bags - bags ~~filled~~ ~~with~~ ~~oil~~
Magneto ~~OK~~ ~~Chalk~~ ~~trace~~
marked with ~~discolor~~ ~~fibers~~

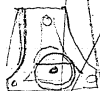
Except from E. B. ~~San~~ ~~San~~
Tapered ~~across~~ -

If double ~~rocking~~ ~~beam~~
described ~~in~~ ~~the~~ ~~my~~ ~~map~~ ~~bag~~
Record Men ~~up~~ ~~from~~ ~~this~~
on disc ~~McKernan~~ ~~a~~ ~~Circle~~
by ~~amplifier~~ ~~if~~ ~~any~~ ~~any~~
ply 72 ~~Seems~~ ~~self~~ ~~not~~
this ~~way~~ ~~to~~ ~~have~~ ~~Record~~
is ~~active~~ ~~as~~ ~~we~~ ~~draw~~

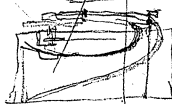
Leonard -
Selling Insulin Dept
Nunn, big 4 sales last 6 months

Wilson Nunn, big 4 sales
of disc boxes 1 up 1 down
this -

Cheap phones made now making



Short here



Patent Controller for Wireless
lighting with Double feed of
cables OK with Reg. & drills
no relay but 3000 lbs & Camb lamps
to vary field -

See who board directors
American Ex NYC -
idea being to look to change
separately -

Ask Branch of Kansas
that Penn RR Director -
what because of it -

Write letter people what
is smallest detail every that
will be used

Dec what Moorsman
is doing -

Macdonald put ad in
Times. Inquiries were received
Yrl. Morning Telegraph, Sunday
Evening News, Newark
Ad. Controller, Banbury -

Write promising to prepare
full Catalogue of all the
Eng. & Mech. & ^{new} Models
also Messrs. sub houses
also ~~also~~ - also
2nd Hand dealers in
Musical books,

Grav. the same in
all the countries (12)
Russia, Germany, Austria
Hungary, & Italy

Phials crystals forming in
solution as well as on
glass, & ~~etching~~ ~~etching~~ ~~etching~~ -
Also sublimations from one
bulb to another - Bromine,
Chlorine - Sulphur - Zinc
Metallic elements -

Gold & Silver -
R. B. Smith & Co. -

Neobis - fix bottom of
tent so as not to come in
(1) & (2) - 10. Cat &
Zinc book, place there -

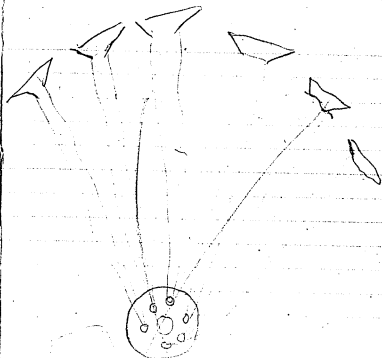
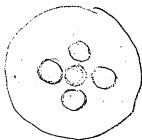
2nd Hand Piano - go
over to Neobis -
See Lantz. 1. they can
make it as soft
strikes good -

There are 3 or 4 extra 4922
possibly bay has put them
up one level for help after
Calk test

Look at 4923 the one that
went to red and red-out troubles

Waggoner - in center station
2 buildings, either 3 or 4 in
no more, establish points -

Bliss - Draftman design
150, much for disc of
iron & cheap but clockwork
for 1/2" lift up Repder
in cheaper in all ways -



5 or 6 horns - very tapering
bft the 5 hole having air
area equal to 1 half 1/2
inch dia
This would be 1/4 inch each
about 2' plenty big enough
each voice post of horn
all near center

in waggoner ~~contract~~
only guaranteed the cells
not the ~~brats~~

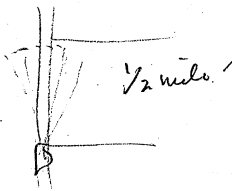
4.00 ~~more~~ ~~improvement~~ Bass & reg
plate alone, also Cells &
flute, - tube & flute -

Nicola - ~~Jungblum~~
for thing in tent -

desc powder to get rid
Spongy & paste, coat granules
with graphite or talc
in vacuum. ~~the~~ ~~medium~~
in reaching to ~~can~~
it will flow nice.

See write for ~~letter~~
need no ~~standard~~ ~~aceto~~
that he want ~~starts~~ or
for us to ~~work~~ with
2nd hand one will do
any old thing -

Why not a pencil, vibrating
light at rear train, instead
depending near back

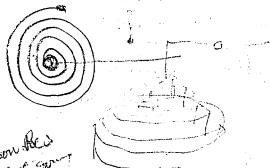


Daily - Fixed Cylinders
 Wap put in full of fire
 granules so as to be able
 to ~~turn~~ not cast,
 also turned cylinder
 Coated 15/100 to 20/100
 by frequent painting
 with all kinds of varnish
 Varnish to suit every
 Culling Rods of cylinders
 Parallels etc

Did I patent the
~~the~~ Recorder

Beckman about putting
 good man on to work up
 machinery for Edging Top
 Edge Cells so we can use
 Can again of the Cells

Try listening to Soghamoo
 under horn to see if the
 Sogham beats can be put out of
 by horn & if so, if the horn
 will be in for the horn & Sogham



Carbon Res
 Vibration
 Contact
 or in Hg -

Have meeting Halland
Bucklin ~~Dope on~~ way

Order press powder blank
Cold as it flows then warm
to Consolidate - ground fine -

Jar moved for powder blank

Turn off or blank with
deamond see for good
surface -

Rotate a hot plate
plates against it,

Roll out slabs in Reels &
press these,

Make 1 coat ~~See~~ then
transfer a 5 coat over
dried, after the reg
225 heated transfer

Put plaster Paris on let
it set in cavity of disc

Ground very ~~much~~ finer -

Dred horns all, buy Fe Hg in
Vacuum -

Goldstein, NCS results -

Have Plans taken to tent

Kieren - Reg last horn

Also test Saphyran on
all the horns and
def distances -

Vescey's tubes go
over them on plans
& surgery

Daily or Fred
Magnesia + asbestos
Mathews have reasons
for writing

Worth, make 1 Record
Carmel Melas
D. C. Casper -

Aiken - press ~~line~~
powder over it ~~hollow~~
then screen ~~pen~~ - Repress

first put little powder
in mould having felt
6-4 then mould bulk
then sift over some
powder with 6-4 +
press - surface will
not stick to mould
which is cause while
spring spots

Aiken -
Would ~~high~~ ~~carbon~~ steel
ground when buffed -
Alcohol + ~~thick~~ ~~black~~ -

Acetamin if these sent
finer ground sample of
Wash pulp - think these
for book paper - soda ~~first~~ ~~over~~ ~~concent~~
sulphate first, ~~over~~ ~~concent~~

Norman, Comment the aluminum
content is 1/4 inch + just no
tension on steel cases
or just need to hold ~~over~~ ~~concent~~
Kus? ~~over~~ ~~concent~~

See about getting another
man for ~~Spring~~ Picture - what
salary does ~~present~~ man get

10.04 + 1 16¢ Tungsten
for Ben at night

Try how thin a coat can be
put on powder mouse & bank
face -

Patton & Top layer powder
blank of 1 to 1 or 1 1/2 Run to 1
paper sifted paper liner, or
longitudinal mouse to get rid of
Effects Big paper fibre -

Take up with Radium
& Ballantrae the ~~dry~~ cell
dope -

Ballantrae no effect on setting
working - for opt must be
open so can see it -

Also Ballantrae ready for
Clarke -

Arden after making new
blank with varnished mouse
make a transfer see & stick -

if it sticks use 4/6 in
Varnish - also lower Rimpanti

See progress Arden 3000 Day
little Philpat - go up & see
what's going down -

Goldstake free Mc Co ore
with Gold Nuth, wash
& dry & try at setting -
also reduce Mc Co ore by H
& then dissolve -

See Fred's drawing & make
out boat & make with false
arm & disk just to show -

Look how hopeless small
disk getting on

Prep some tubes (2) in
Continental, Coosy dry
& then KOH, wash out & dest

Wootton - Try to ~~sell~~ ~~press flat & clean~~ ~~corrugals~~
Req for ~~also new~~ ~~to~~ -

Arken Cressal ~~Bank~~ &
Recond for ~~Caldwell~~

Go over to tent & have some
of the records - ~~London~~
etc -

Have Plans ~~changing~~ in
tent & Reconding House
to find out ~~possibility~~ -

See Leonard - ~~Boalyn~~ boxes
No cigarette lamps -
Why was ~~for~~ ~~Good~~ Sales &
offer ~~more~~ ~~from~~
1400 to 1500 -

Bliss cost ~~renewing~~ 85 V
Wootton -

Go over to new Wootton bldg
Hales Convent Cabinet


Put up Composters & chest
Plans & furnish with it -

Try out House in Evening



Credit man, Monks, judgment
Levy on Car etc. when he pays
for it,

Abigail's help for the
new from he ~~can~~ ~~not~~ make

~~Green way (hang) for the
Screen and stages in
Morning Picnic~~ 

~~Wilson. How about having
an outside investigation
new Pos film always in
M. Pic World~~



~~Jan 28 1912~~

~~Food etc.~~

~~felt packed in~~

~~found stuff in
narrow~~

~~Since we can't rent the 5th
ave place and sales room
for Disc.~~



~~Picnic~~

~~discuss or
not, don't get him into it on~~



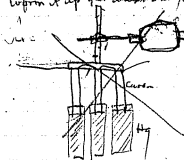
~~stunt sound~~

~~Hughes~~

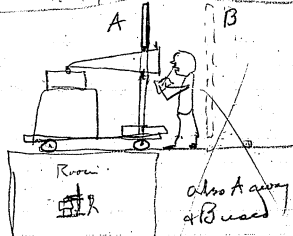
~~Middaugh. Form an orchestra
from the 300 people who have
evenings, say 6 or 7 in 8
or 9~~

Jan 30 1912

Asken ground up charcoal
with flannel because try it
for also ~~blow~~ send some right over
before it up get washed out before grinding -

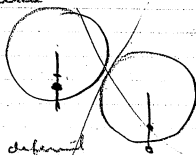


Ad for Dead Reaction testing to
the Dine - pick it out of the several packets
Also try photos of articles who are
be scientific



Norton, new fs, reduce wood
take out wet put right in press &
see corrugate - 2 left them
also, 2 not corrugated, change in
battering take out wet &
quickly corrugate - Bath
sets on Rap test, then Calde -

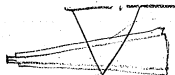
Pierman



Levers different
fulcrum - both go up fulcrum is
right

Maxwell to find out from
Hughes who wrote article
on Chingini in Es Glabe
29th January

Look at ~~paper~~ pulp samples
under Micros.



Model

Double dipping - glycerine between -
shop Vibrative and

Daily Cut up pulp paper
strips cook in melted phenol
Resin. Cook & see if grounds up -
Daily ~~cut~~ ^{up} for 24 hrs. Make
some comfortable of powder
Wood ~~fibers~~ ^{fibers} in Maltese &
Knitted.

See what cheapest felt
is & thickness, for ground

Dyes who is ~~allowing~~ to
200 times ~~first~~

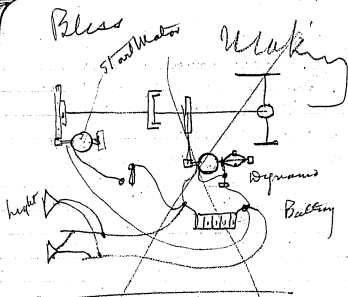
Go over to test since - listen to
Harking in the horn) at various
distances

Regenerate very old tubes
by dipping in Conc CO₂SO₄
after drying, then KOH &
Boil out SO₄ - 2 each

See if Norton made new for
sold in 605 pockets
by passing rod in 7 gms
length (13) get that out -

Moore put a paper cork dia
in Wilson new sample recorder

Ashley ~~what~~ ^{what} been done
about Steel Case for School
Rimby scope -



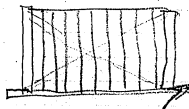
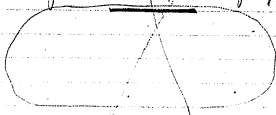
1st permission to go down to
Armory with listening horn
of the married couple to
sing —

See ~~Buckhorn~~ / giva
about 1000 and
John Map at Kelly

Speak Diaz about 3 yr leave
Compelled take because O'Malley
forgot why do you not have
records of such things &
not trust people any more

Hingham

Star 12 ft. 7 ft high —



See Volume

Speak Meadows / craft
McKinley McKinley part
Co 100 Copy got
Calatogue

give names Engineers for book
to Halligan

Flora of Grand Isle

Wells Adams & Co

Monnat

Benjamin

Andersons Engineers

Bakers Engineers

Engineering Company that put in

Colonial & Co.

Walker from Eng. found & thanks

also ~~from Eng.~~

Patten Tech Elec

Baldwin & Co. Corlies Eng. (Electric)

get names

Eng. of Bay Mills

Stone & White

Elec Eng. Gibbs Co

W. Whelan Co

All Elec Cos ref.

Crocker & Co.

Had to put the left outside
the funnel — checked tight —
see if Rupert's letter went
see if I marked & would
sign —

If glycerine fairly try brass
1/4" thick in sections secured
together or flanges — perhaps
later better & polished &
buffed inside — ~~brass~~
Brass flange rubbed outside
polished inside & tripod
4 easy means of just

Higham up 20,000 needs
4 ~~to~~ 5000 each up to 20,000
get more sensitive —

Higham put boards as
background to reflect
to funnel —

See Lancaster about clock
up with too much telva
Nap -

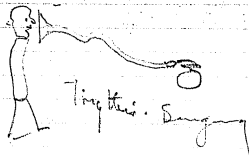
Have Aiken press down to
thin segs after the 1st lapping
& before lapping: wants
see if shifted fibres gets red
Rocks Valley, + hill -

Meadowcroft Arrange to
have semi-weekly (Wed +
Sat) reports of progress.

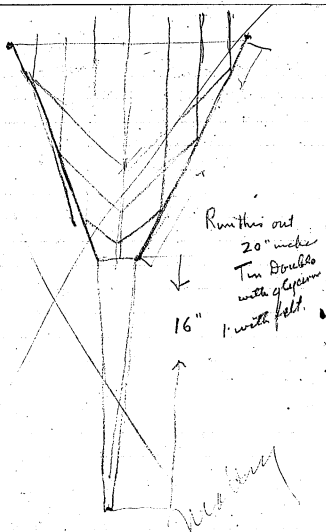
Burdock
Cynsign man
Shiribodles
Post
Dally
Aiken
Wirth
Anderson

to filing

Bliss about ~~week~~ work
Mon lamp reg Valley for
lamps on auto - little
Carbon pile + selenium, only 3 or
4 amp - also tiny motor Res +
Selenium -



Try feet fumbled for
Recording - singing +
Piano - flutes long
glycerine -
Try both in tent on
singing -



Dally also try rotating
screw also shaking
screw layers



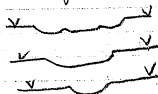
Get samples flock, etc
from Lehmann

Wittig - chge of Gen
works working as machine
in phone works -
See Weber

In singing where a male
or male of soprano on
high quon equies have
her sing without pears
it may be due to beating
against Pears —

Higham - Try 20,000 Knifs
 & bal also 10 & 8 -
 to get increased loudness

Piermain go to limit



with Celluloid



of glass funnel try
 it -

Lead 1/8
 fused inside
 pointed brass



Stiffen
 the ~~inner~~ ^{inner} ~~part~~ ^{part}
 of felt funnel

See Blues about a line of
 Dynamos for our house lighting
 outfits -

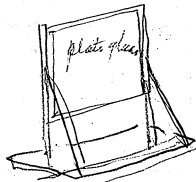
Heavy Dally of Lehman up
 fibers -

Food etc get the glycerine



also 10,000 clock funnel

Arden put sheet down
 paper paper in Resonance
 rec for -



2x2

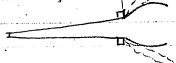
3x3

3x4

1/4" to 3/4"

also slate
 Corvoste
 steel -

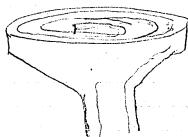
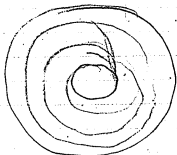
Put ~~fixed~~ ~~on~~ bags for
dredging



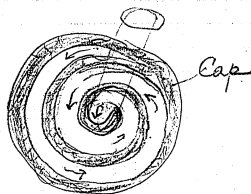
General funnel to put various
cush on to see how far
Band on photo will be recorded
with Red Recorder



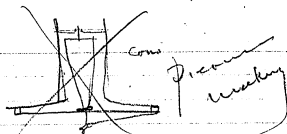
Diagram



Sound waves pass on dia
then a valve opens -



Legal Dept - did I apply
Lawn Mower



~~Have Wirth piece Spander
with screened fibre blankets
+ stop until he find
where search is -~~

~~Wirth about cloth
around his anodes
otherwise dirt open
+ porous plating -~~

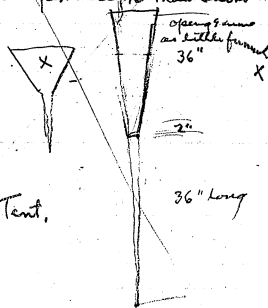
~~Raise Lead Paper to
#12 -~~

Make another glycerine
flame at steep angle

Try big glyce funnel -

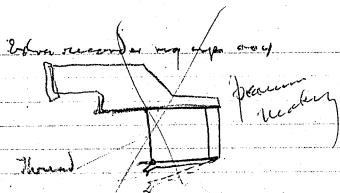
Make glyce funnel -

36" long - at end 2" then
flare stripes - except than about
funnel

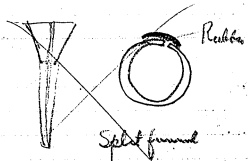


Regrad Tent,

36" long



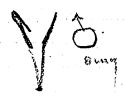
~~Try recording ~ 2 or 3~~
~~tensions & strong wave like this~~
~~Repeal -~~



~~if shows results Try split in 3 parts.~~

~~Get the Edison Al Spaulding~~
~~See if some of these lines are~~

See Wilson & have him put
down just what is wanted
from Gross & have it scalled

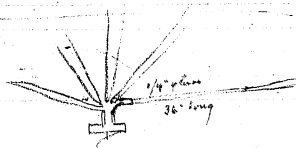
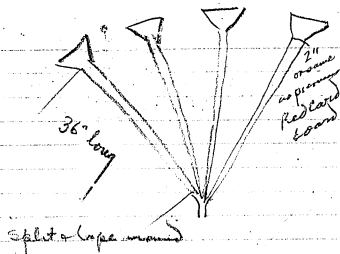


With Clean out of your
Grease box, dirt probably in it

With, few fibers blank test

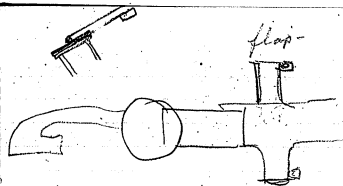
Water didn't really about
Steam pressure for Worth

Askew make flock blank

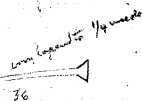


Orchestra -

Pisman, heavy upset on Recorder
as used in Pismo -

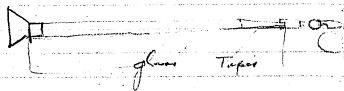


flap on strong
Chords open
+ elongate jammy
out -
1/2 elongation

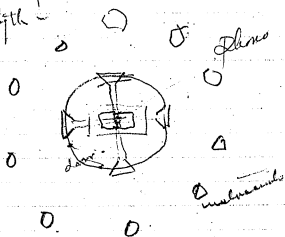


See what Wears gets -
idea to raise salary

Raise them to \$80 week -

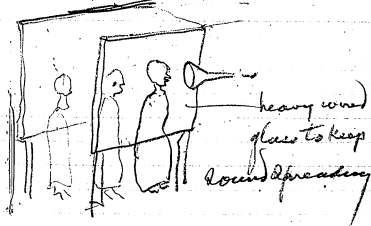


any
long long loose cotton whole
length -



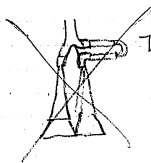
Have Philpot grafiteps
the blank & then press
also ~~press~~ grafiteps
after pressing see if
delecting and
also try directly savings one
with only that -

Wirth - after grafiteps
disc for Counsel machine
inspector for dots -



Daley - to go to Whitehall
 Technic Co. get funnels or
 to Allen - get drawings -

Look at book singers & get
 loose tooth record & look at
 record in means to show
 short sharp funnel-shaped -

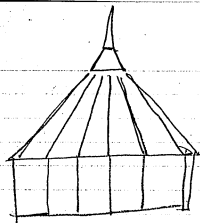
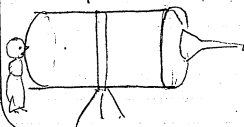


Trunkhorn funnel

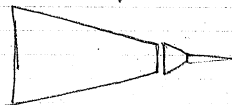


bypass -

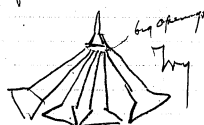
Quide-von open end end



Unchickend



One section first test for Volume
 12" from horn then 12" from end
 of Extension see how -



by opening

Use small hand horn with tip
So can go near singers mouth
listen to quiver on sustained
note.

~~Beach if you boost
on an empty battery
it will go dead -~~

Try many finegrained
with last coat of wood
Varnish on last transfer

Apply the surface of
the metal to
the paper -

Try one of Moore's small
Press plates buffed for
last transfer McConall

~~Try on metal a plate
of glass and if it scratches
with Speegies~~

Meadocraft find out where
they got all the music for
Piano Roll, 2000 now listed

See if I have sent W. Miller
list of heart songs from
Chapman book if not do so
find if someone can sing
any of them or own other
Native talent -

~~Presman use brass tube
instead Rubber in the
double finger -~~

Try glass horn made by
Dally with flange & will hold
also been made -

Put $\frac{1}{4}$ " Rubber band on
Cellulose each side & then
Freefly - pull off to leave
Bluish ink see how it looks -

Grafting a scratchy disc &
see if Cam can trouble in
Micro use new brush -
Can probably see defects
better also try scratch
see if less -

Disc to water when he
works the valves on strong
pumps he shuts it off too
much & it has a bad sound
~~appearance~~ too weak &
too far away it sounds
distant more without
jumping

Edging of Cam grinder
highs now fine - with what
I have made 5 grms pockets
if can't get fine - put 250
mild dry H₂O in each 5 grms

Take a black record that
scratches Rosary & buff
records see if better -

Try new glass for
scratch

With grind off a
Wood transfer
with rough see
how that works

Copy all the Chappelle
times & complete list
in time book

Chapples Book -

Bowling ball of the battle	Fair
The Battle Cry of freedom	"
Take me home	"
To the Evening star	Good
Sweet Genevieve	Good
Cradle Song	Good
Bridal Chorus	Fair
A Song of the Sea	Fair
Beautiful the unknown so bright	Fair
Landward Watch	Good
When the Sun shows	Fair
We left the snow clad hills	Fair
Dream faces	Fair
Oh don't you remember Sweet Alice	Fair
Long ago	Fair
Tempest of the heart	Good
Soft soft music is stealing	Only fair
Coming from the Rye	"
Some day	Good
Old folks at Home	Good
Korner battle prayer	Fair
Make me no gaudy chaplain	Fair
Last night	Fair
His name is Love	Only fair

Sing, Smile, Shimmer	Fair
Peek-a in the night	Fair
Old Key home	Good
Adieu tis love's last greeting	Fair
Carry me back to old Vex	Good
Goodnight, farewell	Good
Lauriger Horatio	Fair
Farewell my own	Fair
Who is Sylvia	Good
Ever of thee	Good
Beautiful Isle of the Sea	Good
Come home father	Fair
Blue Abolition Mountain	Good
They all have Jack	Fair
Wondered by the sea bent shore	Fair
Land Kindly Light	Fair
Take back the heart	Good
Old arm chair	Fair
Love's nest	Fair
Leaves old sweet song	Fair
I cannot sing the old songs	Fair
Stonewall Rejuvenation	Fair
Lily Dale	Fair
Embarrassment	Good

Jerusalem fair to good
 Home again fair
 Would I work with thee fair
 When the lights are low fair to good
 Masses in de Cold ground Good
 Beautiful Bells fair to good
 Her bright smile haunts me still Good
 We'd better bide a wee fair to good
 Dailing fair
 Tramp Tramp Tramp fair
 Home to our mountain Very good
 The Rainy day Good
 Maryland my Maryland fair
 Looking back [for farewell] Good
 For You Best time yet Extra Good
 Alice where art thou Good
 No one to love Good
 One sweetly solemn thought fair
 Sweetest heart hear my prayer Extra Good
 The Carrion Dove fair
 Afterwards Extra Good
 Nanaykee fair
 Out in the deep fair
 Silent Night Good

My Mother's Bible fair
 Do they think of me at home fair
 Life on the Ocean Wave Good
 Go to sleep Lena darling fair
 Farewell fair
 Rosalie Good
 Joyland fair to good
 Because you're you Good
 Come oh come with me moon Good
 is humming
 Miss Murch songs
 Mother Seal's lullaby fair
 The Answer C Bohm fair
 La Vierge a la Crèche (Penthon) Good
 Les Madchons Klage (Elberichschatz) fair
 Alpine Rose (Sieber) fair
 good bye (Toots) fair
 Das Rothe Sarafan (L. Bull) fair
 O Vieni Con me (Goebel) fair
 The party at Odd Fellows hall (Harvard Univ) Good
 The little and Red shawl Good

Ask Crystalman if he can't,
pour saturated solution between
glass plates $1/64$ apart & let it
crystallize - little run up by
Capillary blow cold air on, or use
Solid CO_2 even 005 apart & chill -

Have drawing made of various
of laminae, wanted them
get Whitehall T on phone &
ask if they will do it - Dally to
go down if not take it up
with Corning - Libby -

Amalgamated brass for model
transfer -

How Dally getting on with
Rotary sketch -

Try more experiments with the
glass tube - put glass funnel
flange on it -

Get Victor Misers -
Rosary

Ask W with how Chatman
went here & down - was
hesitant -
also saw to Michel
Submasclos getting on

Drawings for glass
funnels for Dally to
go to W T Co &
Corning -

Try gaps with $1\frac{1}{2}$ inch
down down 1 ft to
taper & very long
using 2" tubing
also 1 ft tapers of 3 or 4"
straight,

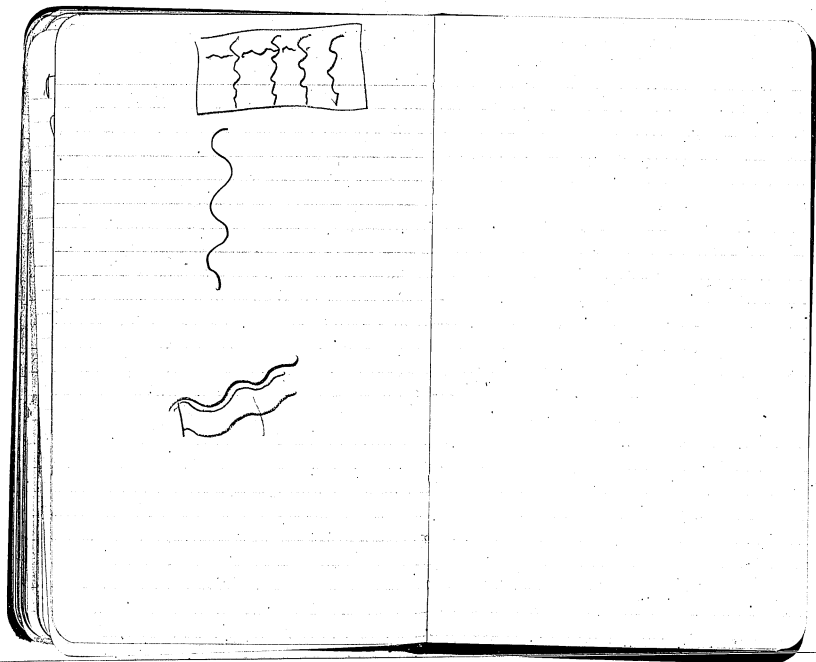
Worth - about 110 lbs steam
or superheat;

Blue print scale of v.o. as
page 461. grove make same
size as instruments -

Rec. what Cove-Haw felt
is worth per yard the much
kind $\frac{1}{2}$ inch -

Asken about Vacuum in
Council records, ~~as~~ don't go too far
in moulds till we are of it
necessary.

When we get 10 or 15 good
Records, Dip of Vic & Columbus
Have Cankin & others & adv. by
people compare & write ads
accordingly -



Hq Salts Sol in 2HKLi -

Phospho-phosma acetate	Sol.	H ₂	good precip
Hq Indide	Sol	"	"
Hq Arsenate	Sol	"	"
Naphto-Lachide Hq	Sol	"	fair precip
Hq Tannate	Trace		
Hq Succinamide	Sol		fair precip
Hq one-Chloride	Sol		Trace
Hq Cyamids	Very Sol		good precip
Hq Pot So-dide	"		"
Hq Succinate	"		"
Hq Sulcylate	"		"
Hq Methyl Chloride	"		"
Hq Oxycymide	"		large precip
Hq Amide-Propionate	"		"
Hq Malate	Sol		good precip
Hq Lido Chloride	Sol		Trace
Hq Mercaptide	Exceeding Sol		-
" Coparcymate	Very Sol		good precip
Phenyl-Acetate	"		"
Hq Bichloride	Sol		Trace
Thymolate	Sol		good precip

Hq Ba Iodide	Sol	Good precip
Thymol Nitrate	"	Trace
Hq Napholate	Sol	"
Hq Ferrocyanide	Sol	good precip
Borolungstate	Sol	Trace
Resorcin Acetate	"	good "

try phenolate,

8 Moulds for one Cabinet
Time, Mould ready & pouring
requires 1 man & labourer -
1 day
Set 48 hours - then taken out
mould requires for the 8 moulds
1 1/2 hours

Seasoned 7 days -

8 pieces then ~~put~~ ^{held together} put in
15 counting room 4 days

Then dried, 5 days -

Then put together, painted
up a gun shape 1 to 1 1/2
hours average each
Cabinet,

Then immediately read
for decorating & painting
crowning & screening
plant,

Takes 3 weeks to make
Set, before ready to work
must be dried out & seasoned

1 man will require 8
days to construct & finish 8
parts to make one set
of moulds -

Legal Day

Attorneys at law & Solicitors at Port

D Holden 96 weeks

F Bachman 40

H Larnahan 48

Investigating Police called get evidence

F Wadsworth 40

A Clark 30

Draftsmen

Wadsworth 30

Draftsman 18

Clark -

Return port appraisers of 1/2 mile.

Miss Ketchum 23

Stenographer

Handing Complaints & prison

Centinel

Miss Larnahan 18 - Holman 18

" Stacks 15 - Larnahan 4

" Korb 15 - Bachman "

Boy 5 -

Manuscript 96

Feb 9 -

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$$\begin{array}{r} 500 \\ 5 \overline{) 25000} \\ \underline{25000} \\ 0 \end{array}$$

$$16) 1800 \quad (30 \quad \begin{array}{r} 100 \\ 100 \overline{) 10000} \\ \underline{10000} \\ 0 \end{array}$$

$$\begin{array}{r} 195 \\ 90 \overline{) 17550} \\ \underline{17550} \\ 0 \end{array}$$

$$\begin{array}{r} 50 \\ 200 \overline{) 10000} \\ \underline{10000} \\ 0 \end{array}$$

$$14) 10000$$

$$\begin{array}{r} 195 \\ 60 \overline{) 11700} \\ \underline{11700} \\ 0 \end{array}$$

$$\begin{array}{r} 2340 \\ 5850 \overline{) 60840} \\ \underline{60840} \\ 0 \end{array}$$

$$\begin{array}{r} 225 \\ 225 \overline{) 22500} \\ \underline{22500} \\ 0 \end{array}$$

$$\begin{array}{r} 140 \\ 2 \overline{) 280} \\ \underline{280} \\ 0 \end{array}$$

$$70000 \quad 250000$$

$$\begin{array}{r} 1950 \\ 9750 \overline{) 19500} \\ \underline{19500} \\ 0 \end{array}$$

Notebook Series -- Pocket Notebooks
Notebook, PN-12-03-10

The dated entries in this pocket notebook are from February-April 1912. The book was used by Edison to record ideas about business matters, experiments to be tried, and other tasks to be performed. Many of the items have been crossed out. Included are notes relating to storage battery tests, country house lighting, phonograph records and reproducers, the home projecting kinetoscope, the kinetophone, rectifiers, and ore concentration. In addition, there are lists of inventions to be patented, along with lists of songs (including some suggested by humorist Walt Mason) and recording artists. The business-related entries include notes about record sales, advertising ideas, legal and patent issues, new companies, dealers, and educational and other films, along with data on costs and salaries.

Among the numerous Edison employees mentioned in the book are assistant engineer John R. Anderson, Jr.; chief engineer Donald M. Bliss; experimenters Charles T. Dally and Alexander N. Pierman; Frank L. Dyer, president of Thomas A. Edison, Inc., and head of the Legal Dept.; chemist Ignacy Goldstein; Walter H. Miller, head of the Recording Dept.; machinist and longtime Edison associate Frederick P. Ott; his nephew, chemist Ludwig F. (Louis) Ott; Brian H. Philpot of the Disc Record Manufacturing Dept.; and machinist Albert F. Wurth. The pages are unnumbered. Approximately 160 pages have been used.

Songs Walt Mason acquiesces

Hymns

Rock of Ages

Yield not to temptation

What shall the lowliest do

Just as I am without one plea

I need Thee every hour

Turn of my soul

The Ninety & Nine -

Old Songs

Grandfather Clock

Lorena

Old Log Cabin in the Lane

O Fair Dove O Fond Dove

Twins in Trafalgar Bay -

Why cant dealers rent phones
1st month, partner then buy
records,

In advertising new disc in
Local paper. Make it one-
dealer one mention another
dealer another, hence all ones
ads will advertising all dealers

Get price 1/2 High Cowham
get,
boxes in cabinet out steel
instead wood -

~~Chamberlain~~
to get white wax find a
Solvent which doesn't
attack it then make this
solution of soft soap & benzene
like wax & dip & coat
it with film, we can
track deeper with 2
separate layers use last
layer 1/2 to 1/3 of 1000
mch thick
or dip several layers 1/4
of 1000 thick alternate
layers with solvent up
one which does not
cell like the other

Use dia 5% of 1000 mesh with
center piece fastened rigidly
around edge so amplitude
limited so as not jump out

for stratified recording cylinders.
Use a wax than any alcohol
of the wax series -
or a Paraffine, or Spermaceti
Elaeostyl of oil etc
Asphalt, Paraffine,
Phenol Resin -
Ceresin - Japan wax
Alcohol from Carnaruba
" " from Spermaceti
" " " Resin wax

Stearic acid
Rosin - Resin
Myrcin, wax or biswax
resol in Alcohol
Oleamide acoline alcohol
Ammonia on oil almonds
Diamyrene-Lepidine,
resembles Paraffine.
- Smile, Rich, Violet,

Use ~~hard~~ phenom of home
Cellulose & measure
distance to back section
of funnel with mean $7/8$
beaker -

Have a funnel made
of paper boat twigs as
long as the paper measure
an

My heart of thy sweet
voice, ~~Samson & Delilah~~
fine, beautiful -

Wood bird ~~Woods~~ (orchestra)
for ~~Drummed~~ ~~10~~ ~~2~~ ~~quint~~
Beautiful ~~so~~ ~~for~~ ~~M~~ ~~song~~
Swan song
Johnnie ~~grain~~ OK

Overture from Tuller
Have female voice
in it - Beautiful
Sweet ~~sum~~ ~~hole~~ ~~ball~~
long drawn out

Slab at ~~Water~~ ~~bag~~
Rosen ~~Beautiful~~

~~Regal~~
La Donna e mobile
3/4 of the ~~perf~~

~~Go~~ ~~conda~~
"Dance of the hours"
good

Steel nickel plated
& welded

50y ~~and~~ ~~normal~~ ~~Woods~~
Pineville

Wally ~~from~~ ~~for~~ ~~water~~
Mintisi - fine -

Oh I have ~~signed~~ ~~to~~
rest me - ~~for~~ ~~pro~~
fine

Duet in G of 111. - good
Romeo & Juliet -
Valsecra -

"Dearest Norma"
Norma by Bellini
Most beautiful thing
yet heard

Martha - How so fair

Maestrano - by Weber
"Happy Moments" very

Beautiful -
also "Scenes that are brightest"
fine -

Carmen = "Toreadors song"
good -
Enjoyed in my book

Made three way funnel
use water & get 3
funnels alike, & test
one with others on

See how ~~Dolly~~ getting on
Write Doc want to let
Burchard go -

See state of Crane job also
Extra machinery for 1000 daily -

See 11 Miles about building
Drying room like Antken
test a pan in before room
at work -

see Al Wirth about 4 models
+ 16 sub-machine daily →

Make some very naturalized ColPs
Cosy → 2 rather very colorful
Cobalt Satts + sank 3 each of
Reg tubes + also 1/2 tubes
Each + work regular

Duphants with double
dips after KOH + wash of
first dip =

Take 6 long tubes after
10th Run Wash out well
+ dry - then dip in
Cone Cobalt Sat. + Rinse

Of the several old cells
foundy table. Wash
dry + dip in Cone
Cobalt Saturation +
Rinse

Keep Premier ~~key~~ on
5/8 Recorder ~~funnel~~ -

White Celluloid,
grafflags one see how it
goes - Coating end
with Rubber + then
painting blue on end

See Philpat Progress

Al Wirth if he uses
new idea grafting on
Cylinders +

Loeber ~~abt~~ assembling
1 dog uses rep. done
to test at Lab -

Christmas if ~~line~~ come
also amount of ~~billie~~
on hand also ~~Preswaps~~
Exp -

~~Record that Cornwalls Duet~~
~~Sunday night~~

~~Waller Willey - alt~~
~~Callins + DeCarlan~~
~~Negro Uchadus~~
~~LaLoy - my Samba~~

~~Let Brown go -~~
~~Mistakes on Crane~~
~~lost 2 weeks -~~

~~Demonstrator to send to~~
~~England Home~~
~~Melburn + Thelma -~~

~~Rel 1500 - Crystals just~~
~~mixed see how run +~~
~~LW~~

~~Drafting - pot reduction~~
~~5 lbs 42 - section equity~~

~~Mistake - Feby Roll -~~
~~bring to heat + paracetic~~
~~see if anything -~~

~~Japan / cc: Spraying~~
~~go for 1964~~

~~Down Cell - Alister Paris~~
~~Mixed paper fibres -~~
~~= Reinforced plain + well~~
~~paper fibres + last aunts~~
~~fibre see maximum -~~

~~Oxide W. Press same~~
~~way~~

~~Paracetic paper fibres~~
~~= reinforced - etc~~

~~Thin sections lower~~
~~Neat Cement Milky~~

Go over ~~house~~ film box
if designed for cheap
& then see ~~W. L. L.~~ think its
too expensive ~~unimproved~~

Write that ~~Trainer~~ ~~CO's~~ ~~residents~~
How much he has on hand
& what he will ~~for~~ look for. I
by Tom & what will he pay
for Cabot? -

Harry Fieldson up on
furning \$2500 with Natl
ditto shipping \$1500 &
Natl.

3. Walter Miller & Al White
trucked cylinder blanks
new grafting spacers
for fitting ~~shells~~
second ~~regarding~~

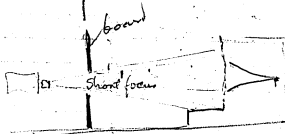
~~Dunville~~ get Knight
Mechanical Movements
up at house also the
504 Mechanical
Movements -

Gold & Bliss why not
a camera for small film
to photo our subjects as
we make them ^{for} save money

Pennant - try 1 1/2" glass
Nica - clamped rigid
also angles one rig
clamp to work on pure
Electrolysis of air & water
of the Ruston -

Phono Cabot \$40 much
Mouldy wire mesh
Cement gun - gradually
build up quickset
no ~~gun~~

Highway Scenery were made painted with figures to catch eyes - + funnel behind material front, then 5 ft away -



Rec'd of Fotel cat. after
Cylinder for Pennington Pianos
test -

Genl V
Andersson
Leena den
Tonic
Walker

60-
10
10
10
5-

Mendooraff draw up
Contract this forenoon

Crystals No. 504 Have 20
needles - stirred & sprayed
with the right quantity
NaOH along &
~~to the 3rd~~ don't break
Crystals if possible

Ditto for 54 dry quick
& ignites to red-percolate
Reduce with then Nidmagun

Al Wenth. don't handle
masters with fingers
in any event, wash & dry
well before silencing for
submasters

Goodhead makes a
metal plate of
concrete that cheaply
drawn

See L. O. Cabinet
Experiments

Listen for records the
3 White Records

Patent forerunners in
plastic Paris to become
the Bellhous Records

Pierman track light, &
have our angles stand scale
without jump by standing
away want see if I can
see Rugged tone -

Exhaust that hot of
H2SO4 rolls ignited for &
have 2000 electric &
then Nitrogen - last -
8% H₂O Dry -

Edison to see how 20 mesh
H₂SO₄ acts when 21%
H₂O poured over it -
also stronger H₂SO₄,

W. Miller Marsh Miss.
with water combined nearly
up - good action -

~~Try aluminum Mosaic for
plates -
Syringoid (hard) plates~~

~~Silver Belts in dark
good latent & development.~~

~~Do the Cobalt & Cyan
Cyanide low temp and
near -100° F. in
in Florida~~

~~Norma by Becken-
Concert time, also
arrange for 1/2 hr. record
of song.~~

~~Atlas Incubator
Diesel Engine for
Battery Co.~~

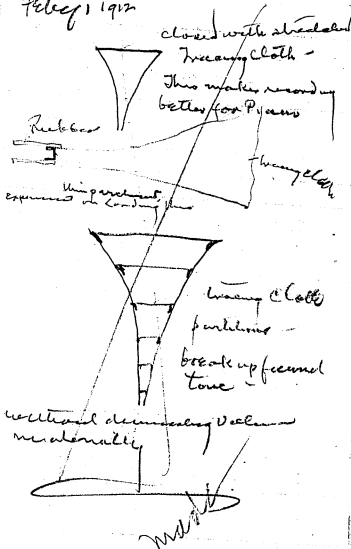
~~Photo orchestra & playtime
250 ^{minutes} sell each morning
Heads on capital & business
Rec. are at start of
show play orchestra -~~

~~This gives enormous opening
for films~~

~~Note before go south
Cable, & B. Allen hear
good disc record &
Victor at same time~~

~~Get a barrel of Reens
Cement for rep. on
Cabinets -
use reinforced concrete on
Plum -~~

Feb 1, 1912



See see page 6 -
 "Mines & Minerals" feel at
 Genanton - Jeffers ~~Wells~~
 loco no mention of the alps

Porter also another Kapell
 Contractor Storage & at
 loco - also for handling
 blast furnace under -
 also in return shovel
 Quarries place of horse
 also take this up with
 local Coal mine working
 W. in Coal Region

Bliss - shows we have
 large Horse Regulation
 or put 2, in, & split the
 horse coming -

Make some 10 neck
Crystals Negro
1 lb oz - 1.6 or 1.8
dissolved 60 grains water
put crystals in porcelain
& pour in liquid -
also another batch
way did last night
dittle drop with 1000
water in porcelain
Wash & feel low
not a very abundant

J. V. Miller from
Running Kettle

Philpot Blake
Collection & record
at temp he press
at -

Bliss House Regular
for day current. Relay
up for as, around neg
Cost Res + regular by
Res in Cht of the field

Legal Dept get me up
about & enter all appen
from 1909 to date what
for + keep it up every
week -

See if Henderson ft has list
of times I reached
to have Master type line
based to location Miller

Cafe des Trains betes -
40th St & 6th Ave -
Negro singing

Filler press, regular amount
Extra Wash to make heavy
Loading Wt. use water only
brought to machine then
pulp then filler press
20% water off

35%

48%

58%

60%

70%

all can

Dry on

Hotplate

Measure water going in &
out of pulp press -

Worth - Pig up at
once for sale & glazing
desks

Patent Vi. allow. Moral - govern
Ethics or pure Vi. or Vi. plated
for Government transfers -

ditto on alkali for cleaning

Change Cobalt to 4 Shlter
Lomonon morning to
fresh & on Saturday -
Pilling & send to
Buller to 2000000

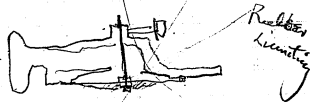
Worth - Request to do
Lomonon and Submissions
to help get a cradle on
Cellulose -
Litho about 1000000
Also Carl we have
all night sub masters
on account of cleaning more
often on Litho and Lomonon
Worth -

44 pl ~~Smith~~ -

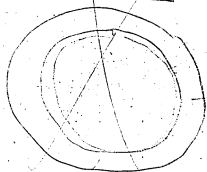
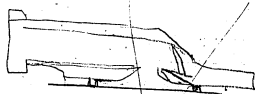
Stand Compound
with 10 Different Reads
1 turn at Every
Combination of valves
etc for a standard
Cylinder as to Quality
& Dimensions

Dyn = Have the good
approx or little more
stable or regular
good C curves -
do for you

March 10 1912
Walter Miller use
more than one
blad use on
recording



Thompson's coils not
abandoned in the use
of our house regulator
also 1/8 tube a rapid
chug - also see C
building a full over
they all work but
with Dyno Regulator
1/8 tube 2 1/2 off -



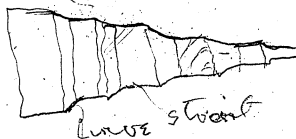
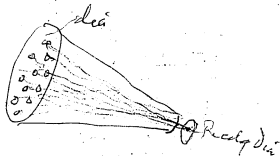
Rubber

die

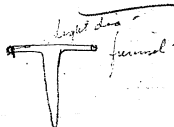
Draw, harder fth. on base of
same fth. on top on high
so energy the same,

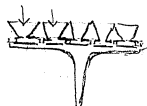
Glass funnel, only solution
apparently, of funnel by
Cover, more try
def. cloth, paper etc for mouth

Add Aluminum Flange
to Our Cement Chalk
get quick hardening



Dip record so leave
 $\frac{1}{2}$ inch hard on
outside & main
record very soft



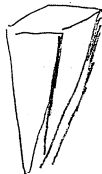


Chamber
1/2" diameter
1.5" dia.

also without
dia only holes



Write Daily
Use Sulphur for
Nitrogen - also Copper
Refract Co. H.
also try CO_2 also
Dry NH₄ also C₂H₆
Ox. hydrogen stat



Cut piece
glass horn

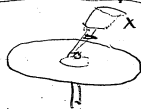
if I Mellos enough
Accodes 1 Crook with
20% Cobalt in Ni -
special flake for test
cells - or easier
in solution with 20%
Cobalt in -

Bless why not 20 cell
bat divided or 40 Galley
or 20 Galley each section
Voluntary transform -

My Cabbage (Anderson)
new motor 20 c.f.
Rectifiers 10 cells on each
30 amp rate -

See if Chalk Matogh will
act as rectifier -

Ditto Tellurium on
Wax paper - diff solution



Use fountain pen + ball troughs
+ deposit vacuum in line
with feed screw + have a
scraper connected to ball
pass over + level down
to constant thickness
all automatics use a
filler at Ext of Receiver
X -

Also a spreader with
ball + then put a pool of
Vuumish at back + have
spreader advance it to periphery

Gray Soap by
Noel Johnson
pub Chappell & Co
Sweet. my

Ash Philpot if Cellulose
Co buy scrap cellulose
what do they pay
also if he can express
a record.

Beach + E. Luman -
Build Small Electronic

Good - precip Mg - wash 7/10
Mg out, dry, then wash
along NaOH + dry - precipitate
Dry 3 lat. various amounts of
excess of NaOH.

Try precipitating NiSO_4 with NaOH
over way with various amounts
 ZnSO_4 - dry - percolate
then dry with ZnO , then
put in KOH + percolate ZnO out
also adding ZnO to
precip dry wash then dry
+ percolate ZnO out by KOH .

See if possible under
1" objective to pick out
Opal Ni Hydrate, white
or green enough to make
2 cubes of each -

Soak green in conc
 HCl about 48 hours
precip by KOH , wash
prec dry & soak
again 48 - 72
up 2 tubes continue
3rd soak get up 2
cubes

Soak B1. 48 hours -
then 2 cubes, soak
again after KOH & wash
48 hours set up cubes
also - 48 hours KOH
dry then HCl 48
hours - at least -

See about improving our
filter, Vats, set up, etc
stop drip -

See about firing a Rubber
bullet to Cam -

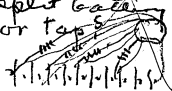
For doing away with Contour
Relay in House Reglin
perhaps Tellurium. Or some
other thermally active like
Copper sulphate will
change Res very much by heat

or a 50 ~~Watt~~ ~~amp~~ ~~pack~~
will be sufficient

Goldstein needs 2 oz Uranous
Hydroxide - Needs 2 Lbs
for test

Also have Oxide of
Uranium reduced by
H₂ & N passed & used in
Iron packet. It is reduced
to a substance like metal
& decomp. H₂O like iron
at Red heat.

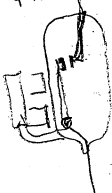
Plum - Transformer
Secondary wound 4 sections
12 amp 18 Volts. Each
split ~~each~~
or taps



press in green No. 64,
some Uranous hydrox
Concentrated. Sack 48
hours -

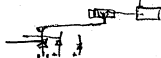
Redifer -

put contents in vacuum
& magnet outside



Theory - Bi hunts from
its sk with 2 rows
but in cell only one
& this not enough!

End on cell regulation



instead of Reg res lit in a
out cells & instead of contacts
which would short circuit

End cells use snap levers
swept by arm controlled
by motor & motor
centralized relay



This does away with Res

& can be used in large
installations other than
house lighting -

Take up forming a Co
to ~~cell~~ lighting outfit
Diesel Eng etc battery
for farm town lighting
batteries in series, 2 or 3 volts -
only burn nights - 3 or 4 hrs

Bliss had dash & use
bronzes slave wheels
called him after
little wagons &
reduce 1/2000 lbs
wide little wagon
no case built a
standard model -

Regeneration rock cube
45 hours cone the salt
precipitate - salt
Calcalt salt

Wyer about Double
disc patent, chances
of being successful

Patent Record Circuit transferred
& liquid handled

Patent after test Uranium
the 0th water in 72. 400 only
Cobalt

Patent Mould given
500; brass 10 placed
22' as transfer -

Make all machines like
12" Record for 1000
of Double for patent
of being successful -

Write W. W. W. about
tracing cloth over Kroll
furnace stop/surge

Write Smith change
cross in longest
B. Call a unit 10 gpm
iron -

On Blue Aluminum Eng
Pathe type replace
for loudness -

See Worthy & decide if
we are to make all
Muller & Submittal
of Culver's by 1/2 also
proceeds think it safer

Ruin Campaign on
 $\frac{1}{2}$ " or thereabouts
diameters. Leaphins
 $\frac{1}{2}$ inch thick, no rubber
but pressed perfectly
at edges & use only
the stretch of leather
to ~~connect~~ completely.

Negative product 40%
30 & 20% Colloid
reduced with the $\frac{1}{2}$ "
by H & N. Co ~~reduced~~
OX last & previous
conductivity.

Look at 4 & N
product Cell having
about 48 hours in

When get reduced by H
& N, nitrogen is the cause
~~from~~ Nectar & was instead
 $\frac{1}{2}$ as sec. Vullampro + Capacity
E.L.O. D. the H & N OK reduced
by H & N, caused alone no $\frac{1}{2}$ "
and also with $\frac{1}{2}$ 20 30 at
40% WOX -

How would porcelain
cells to trays do -
H

Improves filler, valves out
and no drip -
also see if cant make
cells so water stop
auto -

get another near a
~~lost Rumpelhoff go~~

Max well to go out
& establish Pans etc
new dealers keep him
at it - also Dolkens
& Everhardy like
Coffey -

See if they have
started the school
of Baller's

UO_2 is the radical ^{called Dioxi} it
looks & acts like a metal
drawing H_2O at red heat.
It oxidized to UO_3 or UO_2O
 UO_3 combines with KOH to
form uranate hence if used
as a pale it's might get

high voltage like lead battery
if K Uranate is red marble
~~on that~~

It may be both Pu & N pale
can be made with UO Oxide
according to how we about
it we possibly may get the
high voltage due to combination
with K on both sides as
with lead & SO_4 -

UO_2 is Uranic oxide - only slightly
sol in water - UO_2 or $Dioxi$
is the radical, lower ox. is
green Uranous-Uranic ox. then by
heating the dioxide, which loses

^{Oxy}
The nitrate is UO_2 compound
It UO_2 that looks like many
of the properties was thought
at one time to be the metal
Uranous hydrox. not sol in alkalis
on ignition it don't form to
 NO_2 oxide - This shows must
start right in battery -

Wente Goldschmidt make
3 oz Uranium hydroxide
3 oz Antimony Dioxide
3 oz Uranic Oxide antimony
also any other oxides of
Uranium hydroxide &
Antimony

If CO_2 act as
a conductor
then heat the cell solution
with CO_2 for a long low
voltage tail, tells
Uranium -

How about raising prices
on these batteries charging
for the extra extra also
getting stiff prices for
the Regulator Co -

Soak NiSO_4 48 hours in
a conc sol of an Uranium
Salt + manipulate each
way - if good,
Try double soak -

Smith Fechner a big
Bismuth Cell low rate
then try -

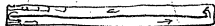
How would 10 water Na₂S₂O₃
which has its water very loose
act with KOH , which proceeds
up for a dry small cell
Mendelsohn says it is also
is very good to act

If Bi Uran Co act as
conductors - make 2 tubes
Each - dump NiSO_4 29 mlg
then 6 mlg CO_2 - 1/2
flask - same with Uran - Bi
CSJ

First Scheme

Plate flask with NiSO_4 solⁿ
with Copper sulphate dropping
in solution - gives strong current
that plates Ni put on current
too weak to plate Ni + common
dropping in sol CuSO_4 with
current sufficient to
plate it out - gives dropping
in CuSO_4 , runs little while
with weak current till Copper
out then strong current
goes on for Nickel -

The Electrode even could be
fixed + solution moved rapidly
a long Electrode could be used



Later, Can dump the CuSO_4
in all at once the moment
the voltage is made low

If adding CuSO_4 makes solⁿ
too acid, then Cu anode + connect it
at same time low Voltage Current
is put on - This keeps acidity
the same - if solⁿ Cu anodes
not good could power a Copper
sheet anode close around the Cathode
say $1/16$ then get a fairly strong
Cu solution while plating -

Rechnerman - presser foot +
saw, for splitting Ni sheet
pan drum - then furnish with
a Knife -



press foot -
adjust screw for
 $3/4$ of thickness
furn balance
with Knife -

probably make some flake
with 20% Nickel Copper
in the Nickel -

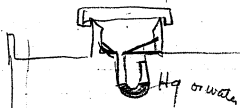
[ITEM(S) FOUND IN BOOK]

Morris Ferry, Ark.
N.
Thomson A. Edison
Orange, New Jersey
Dear Sir
Please send
me a Catalogue
of all the attachments
and parts to a
Sawdust Phonograph
& with some of
my Machine
and oblige
Yours Truly
Ed. Liborn

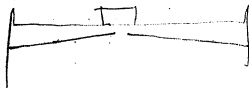
Where is the old Experimental
 flask drum - have it
 rigged up to go through a
 series of Experiments with
 & without also Copper
 & other metals. See the
 Nickel flask. for long
 test in ~~large~~ small
 cells & finally in large
 cells - put a Nickel on

Put a Nickel on Exposed
 on gas bubbles from Ni Cell
 on principle of causing
 the small bubbles to coalesce
 into ~~small~~ big bubbles
 & these so large they will
 burst under a can & let
 pure gases come out.

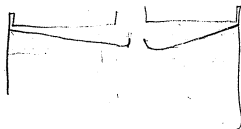
Try this - A4 - Valves heads -



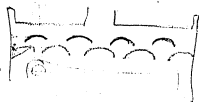
Comes up in gulps



No 2



No 3



Rig up a glass cell &
Electrodes & use glass
devices see how small
bubbles can be made to
Carbide & Gasol.

Perhaps a platyzed plate
with points, or the platinum
will burst micro bubbles

Try in tube / anhydrous
Cobalt Oxide possibly
A may work

Have a talk with Dyn
w're covering up the
small 2 or 3 now doing
or grow & all necessary
things to make it ^{sure}
it will one day be the
only film used

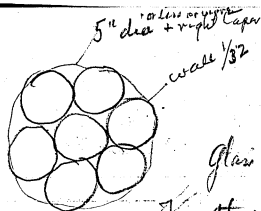
Be sure to have Dally
try reduction of ~~CO~~ by
CO, & displace it if necessary
by ~~H₂~~ N₂ see how
can get rid of doing
it

Harper make big
Cabinet of 1/32 inch
See about large
Hydraulic press

Welded steel see John
Howell see if Cant
make accessible
Lumps $1\frac{3}{4}$ walls
with low ones inside
globe to take care of
big range voltage

Walter Miller had hand
in front of my back
back etc, shows remedy
of moving with front
channel below carrying
line -

See Bill about getting
more volume out
of Miller engine or



glass
try this -
four
4" long
7 horns -
 $\frac{1}{2}$ hole appropriate
Required

Some of the parts of
Welded steel Carbide
could be made out
of sheet zinc to get
sharp ornaments

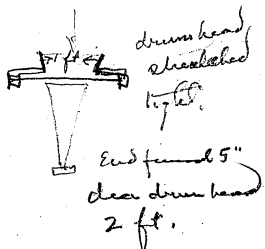
Large Cabinets.
Fancy work (if wooden
Cabinets) made from
paper fibres + Cresol
Resin, pressed -

~~At the same time~~
Remember the Electric
Welding for thin sheet
Steel Saw at Siemens,
use on Steel Cabinets

If Cover the Cabinets.
won't sleep any
cell in N.Y. or China
where Car Load Expts
Can be handled

If expression of pressure is
trouble with Cabinet
blow up ~~the air~~
precooled silica from Silica
the + heat to recalcify
or go to Sand + silica Sand -
thylene from (C) demethyl
chlorine

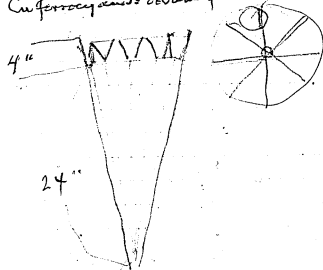
Hold finger on piano
string - use black record
+ study Meers record
of the thing - also
if can get a double
with several records
on thing I mean



Put a muslin on second cylinder, so can work with 8/1000 needle full with the 10/1000 when OK - use ~~3/4~~ 3/4 Dia very narrow.

Try cylinder oil day & the other day -

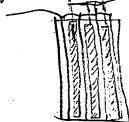
precip Carb. threads from pure. Chemical washed several. water got no agglomeration, then dry ground with a very soft way to form a cylinder - mixture wax Carborundum & extremely colloidal.



Silk stretching, little animal mounter
 was secured around edges &
 use $\frac{3}{4}$ of circumference
 or center piece
 or $\frac{1}{2}$ dia + use the stretch only
 instead of stretching of
 or cleavage

Have low try unrolling
 can by sewing the seam
 thus stitching away no
 clock

Good idea Dry cell storage

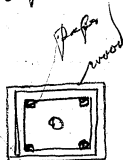
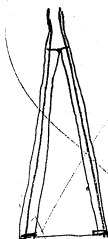


Strong battery
 sheets of the
 & iron pocket elements
 or iron packed in
 between the

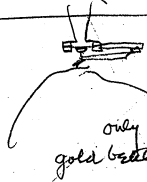
All sheets changed
 but not full -

Dry cell

Journal for Rocky
 April 1 1912



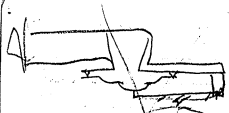
paper



$\frac{3}{8}$ dia $\frac{1}{8}$ hole



only $\frac{1}{16}$ to stretch
 gold better than



2 to 1 + very
sensitive disc acts
1/1000 - but changes layers

Ask Stevenly state of
Argentine Agency
+ about disc a
Dome Pic machine

If we examine the micro surface of
our funnel & consider atoms of
glass it is at once apparent
that there is enormous loss of
amplitude due to reflection



Hence it is of the utmost importance
that the inside of funnel down to
strut part should be perfect in
surface - This can only be done
by using perfectly polished
glass - probably Sg funnel
with 1/4" plate glass or
borosil

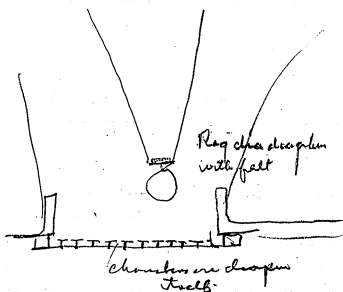


think volume of weak sound
will be greatly increased -
it could be kept entirely clear
of then ground would be
cooler

Try coating glass in Vacuum
H₂ or CO₂ also
Co-Say - also H₂ Salt,
also - Double coat in Vacuum

If it is impossible to cut
 $\frac{1}{4}$ french plate glass
 down this enough cut
 it as far as possible +
 colored with german silver
 polished -

also might use a 12"
 funnel polished + extend
 to 36" with glass
 glasses



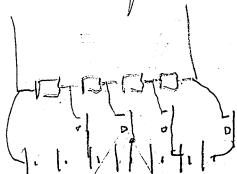
Try 2 tubes no flake Repr
 " 2 " Bi green
 2 " Cobalt 1%
 2 " " Conc CoCl_2 48%
 2 " " Uranium
 This will tell if these compound,

Let see if any of the
 tungsten bronzes have a
 rectifying action -

To get deep tracking
 use rag wax turn off in
 phone, then paint $\frac{1}{2}$ of
 1000 Thale with a
 solution of something in a
 very volatile solvent like
 Ether or Acetone - or
 Chloride Methyl -

It's probable a 3" dia. phn
Telephone with Carbon
Contact: be better & cheaper
Rectifier than Lavers
~~Resistor in a power like~~
Quas a adjustable

Making Mason for shapes
Sections of fancy fencing



4 wave system Rectifier

Try whole list of Uranates
of oxides used in tubes with
Sulfuric N. O. H₂ -
Uranate Cobalt, Ni, Lead Mn Fe
& others - they may be conductors

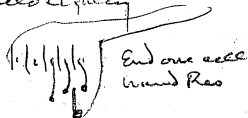
Smith as soon as getting
C. & in quantity put up
several test cells,
def. Heats, Li Etc for
long test, better diff.
performs in tube & plates
with & without Corrugation
& new Fe 35° Fe -



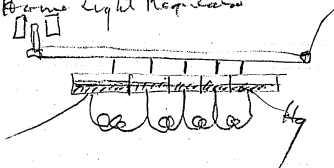
Auto Light
Dynamo also
battery 1 cell at
time 6 times
normal -

This present Chap Voltage
200 Volts 1 amp 1 Volts
worn work commutator

Aceto Lighting



Home Light Regulation



Goldstein - Make NaOH_2 with
1 2 3 + 5% Chromium

K Chromite is a pump - don't
decamp even with boiling water
if KOH added to a Chromic salt
the hydroxide combines with
the alkali to make the alkali
salt, its sol in excess
it says but try it to a
Chromite, The Magnesium
salt don't decamp in drops of alkali.

Regeneration -

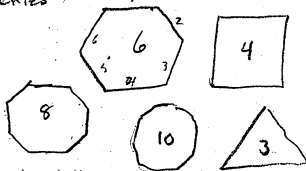
Ferric hydroxide combines
with Sugar & becomes soluble
usually its a singular
Compound, Sugar then has
to keep iron out of sugar as
it forms this Compound &
Sugar will not crystallize
possibly boiling later
in sugar water after
 KOH out with CaSO_4
Ferric's come off as
Carbonate. - Ferric ox very
sol in Ferric chloride

K Ferrate is used in strong
 KOH - possibly lube
with Ferric hydroxide & glue
in 33% KOH + 12% LiOH .
would act a FeO_3 is very
unstable & possibly
Endothermic,

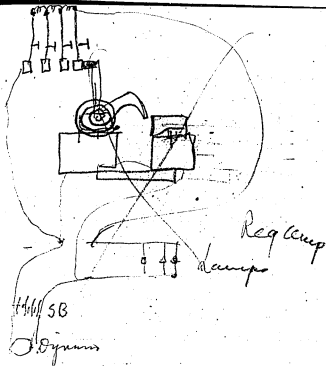
Galadstein,
My some Experiments with
Nitro & Nitrite K.

To eat a Reg iron with
Sugar water to dissolve
out the Ferris, then dry
& replace a little —

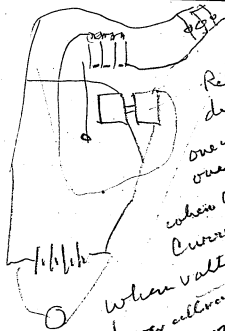
It may be that funnels
should vibrate strongly
so as to diminish large
amplitudes & soften the
sharpened - Notice a
series



+ of diff thickness & length



put washer on fond
Solvent of Ferris on tubes
in neutral & alkaline sol
try reducing the Fe_2O_3
by hydrogen & then
other processes redman
Dr Guallo made, while
its Comel now



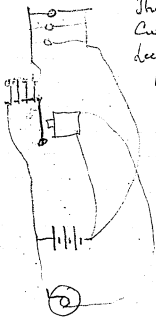
Relay differential
one in main
one across

when OK no
current

when volts increase
lever actuated &
Res thrown in

They also used
very
sensitive

They used
with a few lamp
put in lamp
circuit

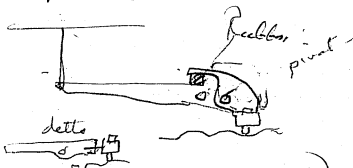


This permits some
current to flow &
decays with
Resistance on
at off.

Put a marker on record
 Cylinders with lacquer
 surfaces for recording
 Asphalts + everything in
 Salsolite, some viscous
 slow drying with no
 most volatile products
 also diodes mixes of
 Compounds use drying
 ovens, standard oil
 bake ovens same as
 seen at Evans before
 this again up big field
 never used

Even Muesky dose of
 FeCO_3 lampblack
 a amorphous stuff
 mixed with binder like
 grill a perale in small
 quantities + materials
 with much carbon so
 + non cutting point

New Idea



It will follow the record
 independent of diaphragm
 + is substitutable for cord

Case harden rails by current
 right in the track - cooling heavily
 with cyanide bathes then
 finally heating up and cooling
 air etc. Or rails could be
 made soft + case hardened at
 mill in quantity

New ideas -

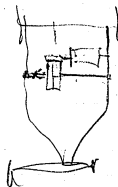
Make perfect films using
a negative 50% larger than now,
+ positive $\frac{1}{2}$ the size of present.
film fine emulsion about $\frac{1}{2}$ grain
get 1000 ft into 500, to help the
industry - it's bound to come
why not later now -

Electric Loco - use the
3400 amp cell with
water jacket (12) double
cell $\frac{1}{2}$ larger. circulate
water while chg. + when
disch. water f. NH₄ cooling
device - this is also our cooling
patent water cooled
cell -

Make C.S. with double
can + run test with
water cooling -

Plss. working big phonographs
for big disk machines -
least \$300,

Plss. - I suspect lack of
efficiency is the high speed.
Chair - heat on luging small
circle at high speed.
Present chair speed - 1000 ft
min - 100 lbs strain -
Can't best be used - at 3000 ft speed
or, spur gear remov. 5" long



It wouldn't
wear heavy
not necessary

When get back take up
matter of residual C8 group
cells & beads - little Schumann
large number
of go ahead -

C4 C6 C8 C12 C18
C24 - ^{1/2} 2 4 6 8

Perhaps in regeneration $\frac{1}{4}$
gram of acid in tube
will dissolve something
of this permeated out
then put in Rott. Tubing
dry when put in acid
water -

Regeneration by soaking in
Rott. then soaking in
Ur Co Ag. Salt, 48 hours
+ then Rott.

Take up question of no
more Hanks phone with

about 5000 make a
new one - Hanks is very
defective -

Make new line of
Cylinders Hanks
Cheaper & use new
reel. Diamond point
Hanks & Korn

Try a Bell Receptor ^{1/2} inch
funnel & a very sensitive
recorder set up self
induction volt wave
set by wave use
Rever also for recording

Speak to Dulah that in
 Iron Age adobe shows use
 of building to iron work
 shops etc, etc, etc
 little in Elia world
 for Elia + Mator would
 for all vehicle in use

New - I find that with funnel
 + moveable disc in front of it
 that I can by adjusting it near
 to mouth of funnel nearly
 cut out high notes without
 scarcely affecting the
 low notes because the
 wave length of high
 notes are so short the funnel
 is in shadow - This is
 a great advantage
 it has few sound

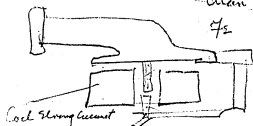
Let's get rather make a
 funnel



This sound shadow could
 be good for us work it up

The disc I used was 3" larger

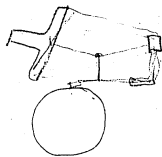
than mouth of
 funnel



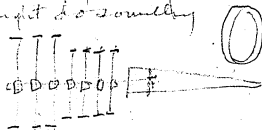
7/2

foot thick of feathers
 allows pressure against
 funnel nearly works out
 base but don't hurt high
 on contrary board works out
 high & don't hurt base much

(853)



The large mass of die friction
have time to be set in vibration
by low notes and set in high
hence low absorption, the
vibrations are very strong to
hand - possibly this
might do something



slide along

See Bendt about two weeks
bearing - see if a day or 2 for
small truck to cell truck -

Regeneration may be that
some of lead contacts in tubes
is due to organic matter
oxidized - perhaps soaking
in CS_2 KOH , would make
Xanthate, & then stirred
out -

Regeneration
Since immersion in Conc. CaCl_2
solutions don't hurt tubes
Soak in H_2SO_4 30 hours & then
soak in CaCl_2 & very small
current plate onto the plates -
~~then~~ deep solution neutral
while plating

This might be good for
used tubes, try at 4 cell
bath with H_2 & CO
solutions - fairly heavy
plated -

Malleable iron is
spongy see if its active
in battery - if somewhat
Reverse it & oxidize
then reduce it!

Try Spec. lens - the
iron on oxidation in KOH
will go out + leave of
porous.

Sulphide of iron I once used
with iron & add small
percent of S + try electrolysis
Ox + Redn see if useful.
Some proportion can get
might thing use white
iron -

Good -

Iron Nitride - action of
Ammonia on iron or ferrous oxide -
also sublimed ferrous chloride
absorbs NH_3 at ord temp &
forms Ferrous ammonium chloride
this when heated nearly
to redness is converted into
Nitride - form gray powder
or laminae, sometimes white many
easily powdered - note that (has
been reduced to Fe going
off NH_4 heated alone it)

gives off all its N - probably
the Nitride itself can be
used direct in battery
2nd Sup. Co. p. 751

$N_2 Fe_4$ - 12% only of N

If this Nitride is ok we can use
 Fe_2O_3 & pass dry ammonia
& do away with hydrogen

Another Copied by dealer
in Sugar Hill, N.C. & sent
RR Sec about 600 lbs
also drawn about 1000
in S & Central America

It is probable that
 Fe_2O_3 can be reduced
at lower temp than
with H, if so the iron
will be more porous
& not pyrophoric as
N will be in combn
if it is CO_2 cold water
displaces the H or
containing the. Why the
cold do same thing
Can use H_2 from
cylinders or make it

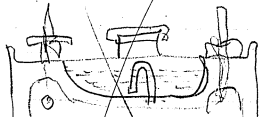
from Sulphate & lime -
or Chloride & lime -

Cadmium hydrox is eaten
Why - I eat 1/2 pocket meal

For the little delivery wag
has false truck or 2 sections
with small wheels already
loaded so when truck
comes in can be loaded
quick. See below what
I have 12. we have 10
lost horses

Why can't we use flounders
for Calumity. There is no water in
it & I don't think it warms
also eat genuine silver
troughs of varnish b. made
to Cabinet under this word
under pressure & heat

gives valves.



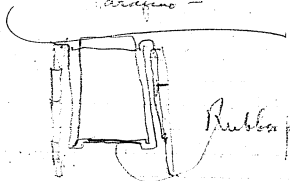
Dip a new tube in machine oil
+ put on test to see what it
will do —

ditto glycerine —

ditto Alcohol —

" Carbonic acid —

" Paraffine —



Rubber pad

When get home Cable
Bengman Careful abt
giving Sphero, Lissman etc

Combs for Argentine —
Our stuff — Bread, Cans —
Anderson, pleasant,
Gent Valenti a very small 45 lbs.
also 5 African, —

Take up Frege's letters
in re. Jap. and make
some correspondence.

Ask Oyer what proportion
of the Gifford Co do
we have in

Σ

See what all the returned
Cells are for —
too many to suit me

In plating plates & Cu
from one block - The first
layer can be done in same
Cook by running out the Sol
effects in Cabaret plating
Cobalt, then running in
Ni + pulling in the Sol.
till Co deep red -
then go ahead -

Concrete Cabaret refinery
is bad think would
be using + whole so devoted
to strong enough concrete
concrete - This is perhaps
perhaps

Suggest Dyer that the Combines
to get, get over a great
feature, very much, leave
a month that is impossible
with the receipt, to hold
the postage of the Combines
over all only, actions

Dyer - about making
a weekly arrangement
for info. films for home
machines - 1st to keep
them out + 2nd to get
cheap films - pay for
neg + 2 or 3 white foot

Call Bees attention that
up to April 1st the
is still cheaply from
clad -

Aluminum is 19 1/2 c lb
Cast small Cabinets -

Thinks Silver asphalt
for moulding is OK
get some from
Barbours Asphalt
Co

Inquired about
Clement Bergson
Tienpud

See if Lillings is
OK in Conc. Co.
if not can make a
copy -

Song slides moving
only 1/2 ft each

See H. J. Old and
talk over high seas
of Submarine Cable -

Dye of wax cannot get out of film
printing using coarse grain
fast neg. a printing down to
1/2 inch - fine grain
about 1/2 inch -
also more than 2 pic
on one film Recovery
film

Since little film is cheap
why not use 3 pic red
dye a violet like Gammal
a purple color pic

Reinforced concrete
plated & welded -
never rust.

Special to ~~build~~ about 100
in Motor plant & ~~acclimatize~~
I didn't agree to this -

See Blue ~~ford~~ Car
teals -

Boy to ~~run~~ Blue Club
on 110000 New
Ryder ~~looked~~ all
how long it runs

Water Miller ~~about~~
making ~~last~~ little
Lander

Get some to ~~acclimatize~~
Little Cals show ~~to~~ Ralph
Dupty June 12

find out about House
batteries

Experiment on the fines
to for loading (and from
200 Ma more get to
from J.V.M.,

See about ~~acclimatize~~ in Cracker
only in drying even ~~nothing~~
definite in this, wants
dumper hole,
~~also~~

~~From Cerium hydroxide combine with K_2SO_4 to form an insol salt insol in solution of Sulphate & this is used to separate it from all metals -~~
~~Perhaps a cell with K_2SO_4 as electrolyte would work~~

~~Goldstein, Nickel 3 or 4 oz ceric oxide anhyd + 1 lb in tube also some Ce_2O_3 hydrate, ~~also~~ -~~
~~also on ZrO_2 -~~

~~Dyer wishes film patent expire. -~~

~~Ask Duvall for 2 lanes + prism so the comas to see around more wires give perspective -~~

Arrange with Duvall to take over Crystallog. man

~~Goldstein 2 oz anhyd Didymium Lanthanum Yttrium rather rare never tried anhyd oxide with new flask tubes -~~

~~Mark out the Cerium in tube break so when not put on -~~

~~Bliss not using Reg auto wheels wire, solid tires + put it above axle to lower to 2 little wheels for N.Y. to make it better better~~

Restaurant table portable.

6 B3 for food

Spends to Higham about
displeatly with the
angle lever



Use open grid



press Iron in + char 15
slowly rec- fit
will stay in -

The mix of the Varnish with
damp black to coat course
blank - then varnish &
repress them transfer -

Demwiddie - make detail
is enlarged as possible -
also - enclose in special glass
space + keep going up to
nearly full area fly
Mosquito etc - 10

Higham deep machine to -
Dip 4 mm blue into 2 mm
nitro to get cheap 2
minute records - 1
no label align

Demwiddie about
work the best week day
done if he is ok
afford time to 16
week -

Write several big Concerns
for blanks & Customs of
Transactions Expenses—

get a supply of Corn
from D. H. H. & Co. — also
from NY — ask W. H. H. & Co.

NY Commercial Expenses
Jun 4 1914 — see H. H. H. & Co.

Big Receipts, all attached
use small pic — also
Outlook.

~~Patent & Cell uplet
cento fond scheme~~

Price — Selling Dept. from
on fact. E. H. H. & Co. 1/2 wt
of head barley &
Can add personal
W. H. H. & Co. 1/2 wt
for to a truck —

Ditto Bulletin

Waller H. H. & Co. what about
Comm. H. H. H. & Co. Albany
good of H. H. H. & Co.
H. H. H. & Co.

~~See H. H. H. & Co. of W. H. H. & Co.
H. H. H. & Co. all the old H. H. H. & Co.
H. H. H. & Co. — H. H. H. & Co. H. H. H. & Co.
H. H. H. & Co. H. H. H. & Co.~~

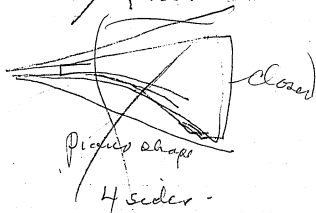
Maxwell - One adst
 Here for 1st time one can
 study what the nature of
 the great world is
 being only once in a
 hundred years to flocking
 & one cannot clearly be
 separated without then
 one in time will catch
 that which the waves
 of wit throw the surface
 mean to tell learn
 & appreciate the
 of the highest type. —
 a.c.

4/10/1900 Small film Colored too
 pink: green: red: violet
 " Violet " = green
 " all colors
 " 2/10/1900 1000 ft. film
 1000 ft. and 1000 ft. of
 film

Write & send for Rivers
 concerning

4/10/1900 Small film Colored too
 pink: green: red: violet
 " Violet " = green
 " all colors
 " 2/10/1900 1000 ft. film
 1000 ft. and 1000 ft. of
 film

Rees - How about
 Dynamis for House height
 out of 30 50 light
 want see our own



Up with Miller about
Recording Lab here at Orange

Also drafted ~~Orange~~
Bryham Recording &
also ~~Bryham~~ at Orange

Picturon -

Use sensitive records, run reg speed
get Wherry pump - then
double speed as if get them as
bad - all with best double
horn - then remove (to lens)
Also use another Sun Kodak
recorder. Phrasing all notes
full & fresh -

Try best with best of above
recorders with various kinds of
Records to (lens) hand & with
If get nearly good enough record
flicks in lens,

Record Photo in tent,
(C) Reg Lens Reads

Boil old black tube in
sugar & then try salivary
of view. Try the No. 10 capsule
& Benzoin & Larch Noddy

Single Candle as at old day
battery in Candle, 8 inch tall
or 2 about 6" -
Good design for a
Candle with shade
& mantle, etc.

Rapid photography take
3 secure links they
will be work -
Superimposed to
picture these

Eastman's Farm Assn

Com. recommendations

from sales of interest to whole all
may ^{advise} ~~specify~~ of thought ~~off~~ board director
+ price ~~near~~ —

1st Director being a C.C. to stop abuses
+ go to sales, interest in 1st 4th = 2nd, 3rd, 4th

2nd from C.C. boards

3 Rules to directors + jobs —
prices of def

4 C.C. persons

5 Charge storage + other prices
for C.C. persons

6 Season, time + extent of trial
down for repairs

7 Traffic manager + for all

8 ~~probable~~ manager for all

9 Hunt long term —

10 Export manager —

put some new tubes in
rusting ~~salubrious~~ - also
Fred ~~off~~ C.C. ~~from~~ the
old tube + find on hot
plate —

Write Walling to draw
up Recommendations for
Consolidating trade with
Cement

Dup ~~Dallas~~ Good To
use ~~with~~ right

Premium Lake across
Reedy ~~Reedy~~ +
some ~~Reedy~~ to
test ~~Reedy~~ very
for ~~Reedy~~ double
266

See what Quinine is doing
4 start him on Sulphadiazine
or Penicillin

~~Handwritten notes:~~

~~Stand Eggs on iron - 1/2
tube, 10 1/2 20
25 1/2 10 100 drops -~~

In that case, say, within
what it is, and how
localised, say, within the

~~Ball-valve only opens when it passes in the Cell~~

~~Gill - no lock nut on
fly wheel - it came per-
fectly loose & came off.
Also all nuts were loose &
several bolts broken & bent.~~

~~Picans in local bogs
Reeds & such water
dwell. a little common
in the~~

had some with tangle
bad, especially around
belts

Ask Ball about Micro
for film of gathering
Chambers -

~~Arc light very unstable~~

~~Water for pump & work~~

Looked office building for
space close to highway -

Also pks at several places
in the pks

Why filter & do it work
Why not filling in & stone
Have trouble filling
of men

Subpat. 10 mts 2-
50 HP motor 2250
See spec. in subpat. 10

See Kammhoff. 20
amp cell -

Carroll white & black
Seed man to see
Carroll in House Dept.
Why Cant Carroll himself
do it or is he really & otherwise

How about new Kent
Long Trade

London - new head
with material - not
approved by any body
patents checked -

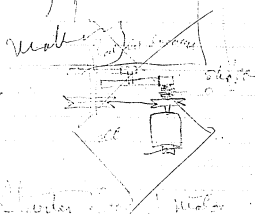
Not a good one
with any
to be checked

with

that will go up in
bank & get sample of
handwritten in Carroll
with help of informant

John

Change of the light brigade
Lodge in house Scotland house
Historical picture house film
Have Jackson battle Napoleon



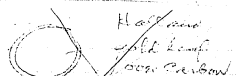
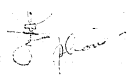
Place of Oak Grove Harbor
to house of the house

Walter Wilson Zepherin
Stom in year

Left before
the surrounding house
suspension



Piano
no one



Has some
with leaf
own carbon
with water and lamp
Lubricate it with carbon
use of it in the yard, leaf

Used with leaf head lamp
used in the factory
also several pieces in some
and they

What light do they use in
dark to take these pictures

Anderson about getting
breakdown design the
stock combinations

Wilson - Change out small
film except for finished film
No re-blanks - I suspect
big loss of film in printing
we will never know about
if there is no check

Keep at slides -

sell dog lots

in house -

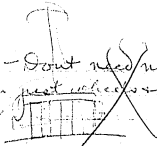
Ⓢ Duplicate UH series of
slides - Separate Dept.

Smith, did C14 you tested
have the water seal first
Cell must have that put on
& Released

Find hot old tubes
Soak out & boil glycerol
Soak out & put in
Extremely weak acid -
Test for Capacity

Lot, plate the then copper
then is compact drum &
convert to copper anode &
make it cathode Ni anode
& plate the Cu anode
at solution then plate
the copper - This way
no Cu in solution Ni is
plated

Find old - Don't need number
 No column just which is set to
 Coulson



After 60 days work see Weber
 about presses also handling
 Dies

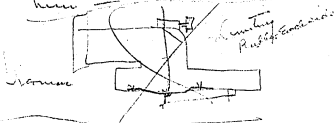
Tell Anderson that
 will soon put them 100
 1/4 loaders

Dr. Brown's
 Lenses will be
 & also in hand standard
 lens

Thompson's responsibility
 when we actually have
 to and about with
 designs which can be seen
 & obtained

Listen to Swan song (Johnny)
 Wood has music from Siegfried
 Wagner - beautiful V M songs
 play it.

Why can't we teach our
 rich man about Home U.S.
 so he can teach Cromwell
 man & take machine with
 him



Ask Thompson why will
 about looking we don't
 use our Regulation on
 Card

See if small film 3 Rows (patented)
 shift & no matter

in disc ready drive
more on the great improvement
in recording material for
recording

Daily 8g Nitride of Iron work
good - Make antimonyide for

Daily reduce some Cerium
Hydrox in H, also some
 Ce_2O_3 ashly in Hydrogen gas

Smith - Hydrogen
Water cooled cell -

Make that Cerium good for form
of oxide then used

Water Miller

Forvari Alange what
has been done - good opera
tion -

Start running for 2
50HP Motor 225 V -
for Shalput, Lake Mason
Glen Ridge Bat Co
Lorber & Silver Lake

Calcium

Make Citrate of Glycoph
phorus (very good different substances)

Citrate of Glycoph amorph simple

Glycolaldehyde Calcium - a glass

Diborate of Ethyl formyl glass

Dimethylidic phosphate (various
transformation)

transformation

C

Try 2 strips hooked in

211Koh 1/2 saturated with

Litharge, Charge Pb deposited

1 plate PbO_2 in alloy, with PbO_2

discharge itself -

Send for the paper & go ahead
with discussion. ~~Gallery today~~

~~Army Personnel List
Col. J. S. ...
... ..~~

Moving per trip he was
in 2 cars from

~~Read Diagram Copy cannot
Recognize Co & Letter I gave.
We cannot~~

See about getting returned
films from Grand film.
Co. cars & others -

Write Anderson
on ground inside cell
under door of cell
400 off west construction

~~Kieffer - if we can get Kell to settle
in place, why not use Lat af -
Kell retires to prison in our way
- get Kell in from here,~~

get rid of CO_2 column humidity
dry well above SO_2 if not
if water wet humid air would do
it if fine showers occur with
 Na_2CO_3 weather would do it also
 Fe_2O_3 contact process.

find out how our neighbors
are stored important for
national defense in all cases
found about possible resistance
from the enemy to go on
also the 2nd Reg - Guards
have been sent to
which shall be acts of nature

~~Paint - look on
George's picture~~

~~Harps - finish tools
to press these cabinet
of which 6 are missing
ideas, but cut out by paper. 11 others
to be up against the side of one -~~
~~Get new for glass
lighting~~

~~Try that treated separate
at Gordonville. In case, please
just don't show in room
R.O.R.~~

~~Get things for ~~John~~ Wuth
New Receipts~~

~~See if home lighting floor at
OK - How soon Cash & Co.
be printed - Get small US
map - possible territory~~

~~See how with the good machine
Coming on ~~Stella~~ Reken
paper reading~~

~~Album with 6 records, each
form - open & look on 2d page
for number - ~~for~~
popular & famous for high price
Vol 1 2 etc,~~

~~Legal Dept. Ore new system
when will appear to be ready~~

~~John's report has been
found out about ~~Phalons~~
for Philpot and company~~

~~Perman see how far he
can move his records of
Center with some Allen
national news story
news & etc~~

Header
Filter Chamber for
Philpot Room
to long 10 ft of
solid is full
22 ft wide

Wells, Miller, & Co.
Pardon my pen.
and all my friends
the well to be
and all my friends
and all my friends

Talk with Henderson & Co. 100 lbs.
best way cut out blanks for
forming near along disc

See if Moore guy has
small disc in production
Need secondary transfer
to get to fit it on his 1st
Wendell so the 6 will be
this way

Bless - Table Lamp -

With why do you
take out tired worker
& look at it a brush it
why not finish it
at one iteration

ask Miller what Chalm
gone to study for if he
study - Can't he be
used with Laban -

film tears, tangles
are you pulling them
out this way

Patent numbers on
Edge of Record

4

5. 11. 1914
also 5 with 10
set of 10 with 10
set of 10 with 10
set of 10 with 10
set of 10 with 10
set of 10 with 10

Make to check record
Red 21. 1. 1914. 1. 1914.
+ 1000. 1. 1914. 1. 1914.
Want to check

Gold - why not a reel
in box & with record
take from right stop
tangle - 1. 1914. 1. 1914.

Legal Dept. about
600. 1. 1914. 1. 1914.
why the delay -

See Wilson who goes to
tent & see young people
man Harry it

Make book holding
6 or 8. 1. 1914. 1. 1914.
make book -

Worth Sick off dirt
from disc just before
I gave in Sept.

Heat Dally, Sept 1960
by Electric wire
instead of steam

Washed handles on bag
disc all 1960
why not



Stop 3 rods so far 1 new

Round in Sept 1960
Planes & brackets to
with...
Get up sample sticks
& labels

With new wire contact on
disc by floating method.
Tommy's on washed disc
was a transfer to copper

Severals in our Repository
Cobalt from Copper
for physical purposes -

There end of the point
of our computer foundation
for Philpat

get 2 cameras, Fred
last month, & some
old Vic of new use
Fortip for Anderson
& others

When making tools for
50 days less. But some
stiff many cracks around
sides, - also back wood
in Dura line & forward
stop of filars also & per

~~Large Bunch~~
Large Bunch up & design
a break for 10 Cels. the next
all made with paper, steel,
W. make water, etc. Cattle

With 1 Cylinders & 2 sections
for all, Cylinders & sections

Daily show up & scored
mesh-on per line

5102 - Daily 53. ⁴⁵² fair
5110 6 wheels all Cylinders
Emp Cold test (ground) 4%

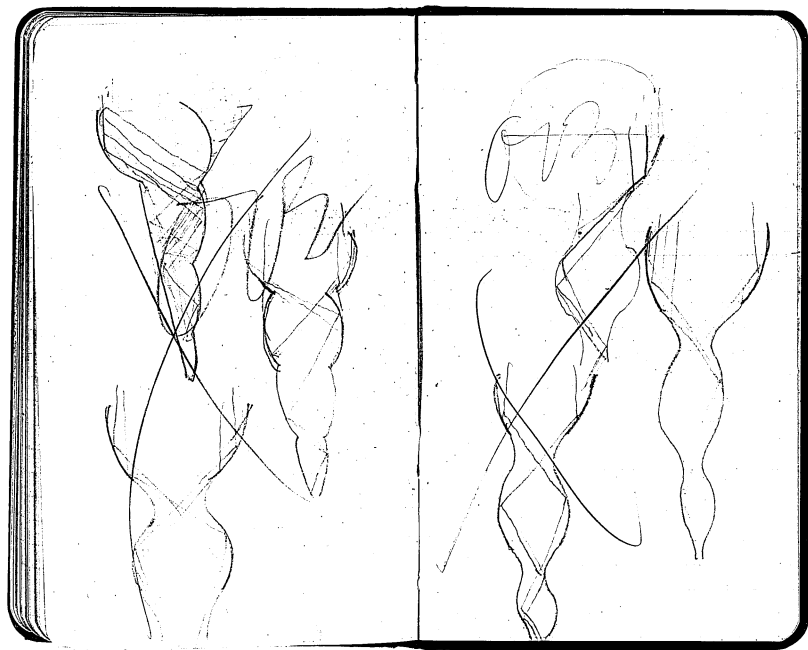
With better submersed
blanks with very
pressure some of
Edgth Co. all 20

~~When making tools for
50 days less. But some
stiff many cracks around
sides, - also back wood
in Dura line & forward
stop of filars also & per~~

Debray Drapery
Reconstr Co. CO₂ -

Compt render 64. 603

La Chalupin Compt R
102 1243 1886



Mail letters to ~~Mass~~

~~Goldman's letter to
Barnes, dated 10/10/1914
in air mail - shows~~

~~Taken into ~~the~~ drought
dry air there it
very gentle,~~

~~Also also some of the
Communist Party members
at the time of the
drought.~~

Harry - Did Read over my
the whole of my note

Try to be brief at Federal,
Blacks sold, with pockets
plain pressed not Cor-
t, deep & serious also
discharged emotional ally

Bergeron - Does pay
several salary -

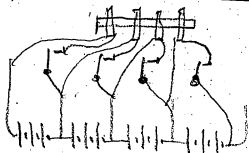
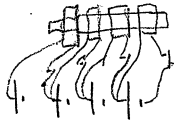
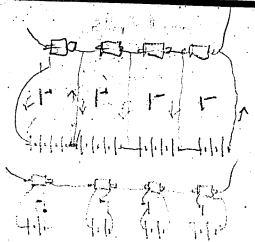
See Higham almost hard
Records for taken to
yet benefit of new Repd

See full those I believe
songs that were marked
fair of good are in
the Cong Book -

Goldstein - \$98 - nothing
same as old one
Inverted all,

Fred Latdefung also
man is what
ought get more -

Telephone Slurvant
how he getting along
on Conspicuous medal
bz no chip up on
time, #



Biograph	6	140	656	34
Tal	7	186	289	34
Essenay	5	989	000	
Kalou	5	316	832	
Blum	4	525	174	29
Lubin	5	933	624	
McLain	1	842	857	
Pach	9	704	106	31
Scho	6	421	351	
Vlaugh	8	775	371	34

Cost Cells A4

Material	4.68
Labor	1.34
Fac Expense	1.97
Assembly	.53
Overhead	3.13

10 months

Lowest possible receipts 10.26 all dis
based on 87923 Cells (assembly)
of 8792 month

Cost per film frame 1.07 ft-

100-

60 sheets 15/1000

120 - 717.5

240 - 737.5

480 - 7687.5

960 - 7937.5

1920 - 7687.5

3840 - 23437.5

7680 - 2117187

15360 - 1088

215360

7680

9 times

MnO } Sol
PbO. }

Uran O₂ } easily available
Co O₂ }

Ni O₂ } insol

Bi O₃ } insol

AgO } semi sol "

Thal O₂ - Sol

Phonograph, Monopie, Homecare
Anderson
Hend. Vehicle, Great Elec.,
W. W. W. W. W.,
Punch Car
Little Car

40-
600
273.3

60 lay down
5-2
15
80
31
777

24
90
2156

128.00

140-
30
77

140-92.5
300 4250 (31)
250 92.5
2.00

185.000

8) 140.000
300 178.000
150.000
28.000

115.00
20
360 135.00 (37)
150.00
27.00
2.00

2400
36
90.0
40.6
12.9
12.1
1.2

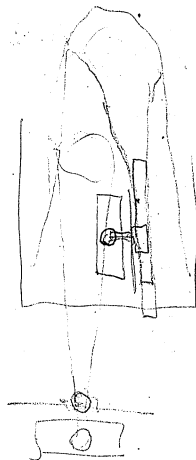
Marshall 90
Dollan 75
Wilson 150
Wells 75
Farrel 60
Dyer 300
Hudson 90
Philpot 150
W. Wells 150
Wells 150
Schoen 75
S. Lawrence 90
P. Lawrence 60
G. Lawrence 100
C. Lawrence 75
P. Lawrence 100
C. Lawrence 65
P. Lawrence 100
P. Lawrence 75
S. Lawrence 75
P. Lawrence 75
S. Lawrence 100
S. Lawrence 75

15.00

2480

$$\begin{array}{r}
 16 \\
 175 \overline{) 4080} \quad (22 \\
 \underline{350} \\
 580 \\
 \underline{525} \\
 55
 \end{array}$$

$$\begin{array}{r}
 2 \\
 175 \overline{) 3200} \quad (18 \\
 \underline{175} \\
 1450 \\
 \underline{1400} \\
 50
 \end{array}$$



$$\begin{array}{r} 38 \\ 620 \\ \hline 228 \end{array}$$

20 000

$$\begin{array}{r} 30 \\ 20 \\ \hline 60 \\ 740 \\ \hline 1340 \end{array}$$

$$480 \left(\begin{array}{r} 20000 \\ 19200 \\ \hline 800 \end{array} \right) \left(\frac{1}{2} \right)$$

$$\begin{array}{r} 550 \\ 920 \\ \hline 4950 \end{array} \quad \begin{array}{r} 18 \\ 2000 \\ \hline 36000 \\ 26800 \\ \hline 9200 \\ 80400 \\ \hline 116400 \end{array} \quad \left(\frac{269}{1} \right)$$

270 44-

$$\begin{array}{r} 17 \\ 34000 \\ \hline 29000 \\ 20000 \\ \hline 49000 \\ 40000 \\ \hline 89000 \end{array} \quad \left(\frac{253}{1} \right) \quad \begin{array}{r} 30 \\ 360 \\ \hline 10 \end{array}$$

60

$$\begin{array}{r} 74- \\ 48 \\ \hline 122 \end{array} \left(\frac{480}{1} \right)$$

$$\begin{array}{r} 32 \\ 220 \\ \hline 252 \end{array} \left(\frac{320}{252} \right) \left(\frac{1}{2} \right)$$

$$\begin{array}{r} 12000 \\ 108000 \\ \hline 90600 \\ 7400 \\ \hline 42300 \\ 2840 \end{array} \quad \left(\frac{2160}{2160} \right) \quad \begin{array}{r} 2160 \\ 2160 \\ \hline 66400 \end{array}$$

$$\begin{array}{r} 2160 \\ 864 \\ \hline 3024 \end{array}$$

Notebook Series -- Pocket Notebooks
Notebook, NP-12-06-04

The one dated entry in this pocket notebook is from June 1912. The book was used by Edison to record ideas about business matters, experiments to be tried, and other tasks to be performed. Many of the items have been crossed out. Included are entries relating to salaries, costs, advertising, musical pieces, recording artists, and composers. The experimental notes pertain to disc record production, phonograph recorders and cabinets, storage batteries, and electric vehicles. Among the Edison employees mentioned in the book are H. Grimes and Brian H. Philpot of the Disc Record Manufacturing Dept. and Walter H. Miller, head of the Recording Dept. The pages are unnumbered. Approximately 40 pages have been used.

June 4 1912 -

Raising Salinity W. with
Soldering disc. mine.

Listen again to
Luceriti - ~~marked~~
Luceriti, ~~only by mistake~~ -

See Benson + honey
German Silver Plate
also follow up from
other refs - take Moore
over,

^{new}
put strips ~~back~~ of Libe
ated in Sahlin with
7504 and as under
try one first + see how it
acts, find clean in ~~test~~ bet.

Of list of things that
can be used at proming
go over record again
listen more carefully
& Re rate, Hars

Ask our French Cabinet
designer if he knows any
Wood Carvers for our
fancy work.

Harpas, How about Tools
being pushed so we can go
ahead info Cabinets etc

Don't forget the Office.

Look up list 2 records of
the original version & see
them separately & especially
when combined & at the
speed of our diamond come
really work them

Inspected Philpat. dept for
readiness.

Write out criticism of each item
for Walter Miller

In the short brittle
snub for knocking off
fixed dent in Copper
plated Master.

Get some brass screws
100 each roll out One
direction till flat then
Copper plate 1 or 2/1000
& Revell 220 on till 500
next.

Bring Cabinet back
from library & combine
the tools of new Cabinet
to bring out defects

See what Gunn gets now &
raves him, some

See Hows disc Brooks samples
getting on - for Johnson
show -

Ask Wilson about Mr. office
when to make show, he might
go over with him in the
stop & decide if he returns

Moore about tools for chapter
~~show~~ etc for new small
replacer so they can start on
parts,

Moore
See about putting Coars
picks some of big things
down on disc blowers machine

See progress making new frames
for No 2 vehicles

ditto about getting wider
tire runs for trucks -

Patent simple Dynamis, clutch
gear & switch to run 3 & 3 -
start 6 - Harry this in
office - add on an
automatic throw of
switch so every 10 miles
it throws it itself -

Columbia 1081/A.

Claude A Cunningham

He is a good singer, good
range, very little tremble

Wally, what about him

~~Silk Towns.~~

~~Debrau Compt R 64 603
L. E. Chalkley 102 1243 1786~~

~~Legal Dept. without safe way
Carr & keep on right in off
to delay as long as possible
file in some foreign to under
Havana, several others. The led
on how~~

~~5100-1 1745 2677
1930 2200~~

~~Mozart Requiem
Chapman Schubert March~~

~~through record
round further of me
around myself have
on telephone record
was a charging
Syrans~~

~~Dividing Dept. of
data. Represent
Coulman Salony
2000-1000000
New York Co
Gloria Golden
4 persons etc~~

~~The
Handel Largo Just
like was.
My heart was faithful. Bach
song~~

Like Ave Maria
 Nach stuck No 3 but
 Schumann -
 Beethoven's funeral march
 Chopin " "
 Dead March in Saul
 Meditation Bach - 5
 Asa's Death Grief
 War March of the 1st
 by Mendelssohn
 Nocturne in Medium
 Night Opus 64
 Mendelssohn

Wilson about 12 o'clock
 for 10 o'clock 250
 20 o'clock 200
 30 o'clock 150
 50 o'clock 60 -
 beyond what we have

Look out No 2 sheets
 Spring Schumann in G. & H. & C. or
 it will save time & trouble of paper

Prelude & Fugue
 by J. S. Bach
 by J. S. Bach

Prelude
 by Rachmaninoff

don't think I can do
 this on Flute

Frühlingsbrachen
(Ristle & Spring)

leg, Sinding

Bright hand and rapid & continuous
finger left slow base
+ peaceful OK for phone

~~Reckless and wasteful. Much
not good. Too much
sawiness & others lack
of invention or change of
themes —~~

~~Wing of the Brook~~

Thodore Lack

~~Robert R. Bennett
 Attn: [illegible]
 The [illegible] Co. | [illegible]~~

~~Wendover Long Song by
by Ethelbert Nevin - very melodious~~

The Cricket on the Heath^T
 "Only to see her pass again"
 by J. W. & Clement on proposals
 as Pleasure & Torment

~~Cromelin - 10% July 1952~~
~~Monnet - 10% 1952~~

Waller & Charlotte, Helen
to give evidence pitish to
heller suggest out that
records to cure & extend -

Try Chronic. Backs near
either it def. problems
instead. all same
distances go. not
but so much & make
so many short deep
waves -

Make list of tools
does the for small
disc machine
List of 2 blocks & go
for it, ~~get~~

Helen what changes
must be made to adapt
Cement Compressor to
Philpot work & also adding
Motor on to drive -

Machine for testing
disc records defects
in running etc.
Worn & index so can
mark the disc then
measure known colour
to look for defect,

Wet Japan paper paste
to form dry this
Keeps it flat then
shells - & dry on
frames -

~~Lacquer Edge Piece
after Minster goes off
to give her sister a singing
lesson in machine
itself -~~

~~There is a lovely garden
by 20' Handel.~~

~~"Margaret" a hymn.
The Church by name
a dirt.~~

~~Violet by Wright - cricket~~

~~The flowers are telling
a song by Beethoven~~

~~Cantata by Rossini~~

~~"Il Pianto d'Armonia per
la Morte d'Orfeo"
Voluntaria 14 yrs old~~

~~also Cantata "Il vero Omaggio"~~

~~L'Angelo, felice,~~

~~La Sacra Alleanza~~

~~W Bards~~

~~See Badminton today
yards~~

Use Elvans on Morron
Take up subject log
Rocks in direction of
W. on Chapman

Thick oil on road
next to Phelps
leaving town - so
no trust

Road from Crystal Lake to Gulf
grounds

Road from Crystal Lake
to left

Road from Crystal Lake
over into next valley &
on top hill to left

Summit of Clinch to
Washington Valley

Vicksburg Road to McGowan
turn off to right at
base of road to
Spartanburg at H. also
turn to left

Little Falls RR up hill
to Reservoir & back
on Reservoir Road

~~Get Caldwell read in
reform school~~

~~Tell Wilson double
scene in film~~

~~See if they break
Vac on sublimator
Masters then
Cotton~~

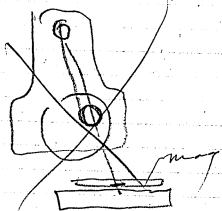
Palestina's Stabal Water

Want Rorlocks
Voice - (woman)

~~See How Thompson
likes Model Rack~~

~~Cable Crossover of
Martini's Close~~

~~Induct on iron
Cubant disc
put magnet to pull
down marker~~



order of ~~Killer~~ to
Meake ~~leather~~ 3
wrens 2 ~~Aug 1~~
not coming

find a stain that
will show ~~from~~ ~~hence~~
in ~~Clank~~

~~Walter~~ ~~Brook~~

~~Violin & Tenor Solo~~
~~possibly very rough~~
~~or Piano~~

~~Contralto~~ ~~Chorus Solo~~

~~Cello~~ ~~Soprano Solo~~

~~Greenery - good~~ ~~leaves~~
~~Upper~~ ~~2400~~ ~~early~~ ~~per~~
~~egg~~ ~~ft~~ ~~ott~~ ~~ing~~ ~~high~~
~~speed~~ ~~high~~ ~~leaves~~
~~on~~ ~~W.~~ ~~also~~ ~~Cur~~
~~Strong~~ ~~leaves~~

~~See~~ ~~trans~~ ~~amen~~ ~~Chorus~~
~~Chem Soc~~

~~Schubert's Unfinished~~
~~Symphony, a part sung by~~
~~the Cellos against the~~
~~throbbing of the Violon &~~

~~Chorus~~

~~ditto Andante in Italian~~
~~5th Sym & also~~ ~~glad~~ ~~winter~~
~~overtune~~ ~~Sakuntala~~

Head on off - How about that
leaf of timber & give you
from Ore of Mexico

Walter Melby want
Memoranda of some on
desc by Populism Trio -

See about figures for
Center of dist. See Allen
at once & mention
no names

When the 6 supply dist.
delivered - reasonably
follow the work

Next size 75 - 1
Cover on



Closed oven for washed
blanks with air blown
in three Calson to dry
an off when fixing -

See about Kennedy leaving
Hend Film Co. & Post
Presb - who? not notified

Look at 72 not
conjugated -

See Weber about hydraulic
for Steel Cabinets

Telephone. Huntcrant
as to progress

~~Inspect Phelps
progress, Anderson
& Lauer~~

~~Suspect, Arthur
Dapt -~~

~~Qualprimes another
list of records to
make up -~~

~~Lat - plate #9 on
flat plate, lat with crossy
wash then plate with
Nickel then for dipping~~

~~Roll out several 005 aluminum
together to 1/1000 or less for
Piercing - specimen tray
Collection -~~

~~Christmas Tree foil
1/1000 - Hat raffles
cut ivory cellulos -
japan paper Lacquer~~

~~See when the Reservoir
be ready~~

~~find out Seely Comparison
Malori don't come
see H. Taylor about
foundations~~

~~Write Crumley about
last record sent over~~

Tell Wendover left
leaves lives day night
known section through

Grimes about Glacial
fluvial sands Vase (Horn)
Collon, brushing -

Pierman - Use sole glass
Ivory Celluloid - Copper
steel, Alumin, Repaper paper
Lace dia

Why not make a cup with
screw & Ring with box that
cant turn 1/2 turns & screws
disappear in - paper

Indian Motor Cycle
see below & Engage
it =

Bells - Drowned out by
Cornet - I have rather
Monotonous -

Piano no soft tones &
piano - let one time
showed go all to day

Cornet ok but
time flatter -

Clog dance good
but wants

30 sec scan -
couldnt understand
song at 1st part

3 = Song by lady
cant hear word
not much seen
in funnel -
synchronous not
good or something
wrong

Miners trace - good -

Prohemus Gyl -
good outdoors (e)
Clarity of tone -
Evidently, I like pic
good for Opera
where very limited
& good singers

Higham 150 thread
008 Gutter - triple deep
gold plates & hand, some
deep from the gold
plate.

~~Ideogram - with these variations
in running plans & especially
medium to final allways
synonymous these last
go perfectly together~~

Go over with McCreary
Cost of adols, cereals
progs etc vs newspaper
advt in 1907 to 1910
& see if Cant change
Customs to save money

~~Idea, weaken 4x packets
+ make them 1/2 inch
shorter than the others
so if water loss not
unavoidable~~

~~Yacht balls 3" high
out on deck~~

Fred all, hand fan
Venetian low button in
florida Calgate,
salted -

Make Money 40, some on
Prima -

Look at gun glebe and
see if its jumped out

Have Calling of Harlan
Records do C. H. H. has
select for books -

Reducing Adts for 1/2 0/2
in some chorons. R
Sulphate in alkali
Hydroxide, salt
M. H. H. H.
in some chorons
in some chorons
in some chorons

Current in the
dot which is to
be made the 1/2 0/2

Thank the Chlorous ~~oxide~~ in
N₂O will oxidize the Fe₂O₃
+ not dissolve the Ni -

Try re-oxidizing Fe in acid solution
with current see if redness
re-appears

Growlits & Whittles - about
temperature & turning the
instrumentals to the
plate lamp room constant
their time

Experiment with plate
voltage its + range &
see if better turning could
get rid of high harmonics

that is in the other direction

find that particular

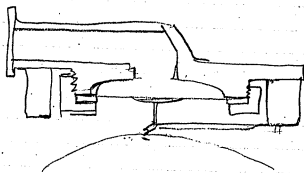
Note on P. and that

is abnormally high

slow - Run it down

& find what is in time

with 4-Clamp funnel etc



Knife must be got close to die
otherwise scratch

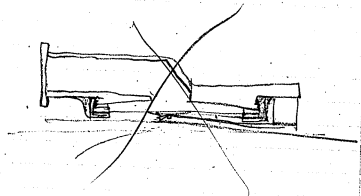
See what bearing is on
bottom of die shaft in
Big with a 1/2" 60, maybe
If that ball joint is used

The first stage of record
takes place before die
has settled to uniform speed
could start 1/2 inch more

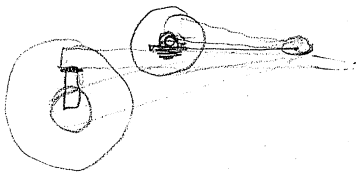
Intake reverse electrode Fe
 to metal then soak in CuSO_4
 & then soak out for four
 hours to salt and some Cu salt
 that it doesn't - then bridge
 Cu in R_2H glycerine &
 work it out - or better
 Reduce to Fe - put in CuSO_4
 then in the Cu dissolving
 solution,

Dried under
 Lycopodium bulbous figure

Use polished Ni & coat
 with Fe_2O_3 then dry so
 very adherent then lay
 Electrolyte to reduce
 & remove -



Plumpton



$$\begin{array}{r}
 600 \overline{) 300} \\
 \underline{300} \\
 0
 \end{array}
 \begin{array}{l}
 2 \\
 \dots
 \end{array}$$

$$\begin{array}{r}
 120 \overline{) 1500} \\
 \underline{1200} \\
 300
 \end{array}
 \begin{array}{l}
 13 \\
 \dots
 \end{array}$$

Notebook Series -- Pocket Notebooks
Notebook, PN-12-08-16

The two dated entries in this pocket notebook are from August and November 1912. The book was used by Edison to record ideas about business matters, experiments to be tried, and other tasks to be performed. Many of the items have been crossed out. Included are notes relating to storage batteries and to battery applications such as country house lighting, automobile starters, and miner's safety lamps. Also included are entries pertaining to the home projecting kinetoscope, improvements in the kinetophone, phonograph cabinet designs, and the production of disc records. The business-related entries include notes about costs, salaries, personnel issues, and staffing. There are also notes on recording artists and musical pieces. A two-page list of managerial and clerical staff, along with their salaries, appears near the end of the book. A variant version of this list can be found in PN-13-01-04.

Among the numerous Edison employees mentioned in the book are Frank L. Dyer, president of Thomas A. Edison, Inc. (TAE Inc.) and head of the Legal Dept.; Carl H. Wilson, vice president and general manager of TAE Inc.; Edward L. Aiken, assistant superintendent of the Edison Phonograph Works; H. Grimes and Brian H. Philpot of the Disc Record Manufacturing Dept.; and Walter H. Miller, head of the Recording Dept. The pages are unnumbered. Approximately 160 pages have been used.

~~Chenopod section with about
100 ft. of soil at the top~~

~~also Martini~~

~~lost to (Giffen see
what the same) (Baker, Co.)~~

~~Coall~~

~~high harmonica~~

~~of (Baudin)~~

~~Rubens (Baudin)
got 200 (Baudin)~~

~~of (Baudin) (Baudin)
in D. (Baudin) (Baudin)~~

~~of (Baudin) (Baudin)~~

~~of (Baudin) (Baudin)~~

~~of (Baudin) (Baudin)~~

~~of (Baudin) (Baudin)~~

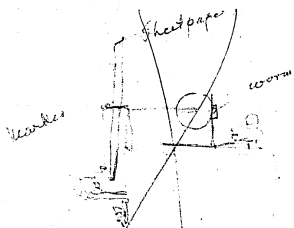
~~Have in a flat on the
grill - (Baudin) of
have in a flat on the
to (Baudin) (Baudin)~~

~~(Baudin) (Baudin)~~

~~of (Baudin) (Baudin)~~

~~See what (Baudin) (Baudin)
of (Baudin) (Baudin)~~

See about ~~Wicks~~ ~~Can~~
~~glue for vac (2)~~
~~Record~~ -



Drive to record
 details in records

~~Have~~
~~Each week give Duperd~~
~~Expense of this sheet in detail~~
~~get it of Reg. produced~~
~~give cost per foot -~~

~~get 2 super large~~
~~objects for use~~

~~get new concealed~~
~~Horn cylinder~~
~~for from Submer~~
~~Chambers from~~

Conkrite to get tone and
large architectural effect.
Place the Bay 4 and mount
as now. To bring out tone
with usual loudness
then duplicate the
4 with a few feet
deposition -

Crystallization show
Very large Crystals
(perfect) of the
Crystalline mass
Called a crystalline model
or the Crystalline effect
Dishes - all Crystalline
forms.

Take a pair
good non-crystalline
(in a clear case)

How many days you can
make before we have spoiled
Submas (Horn) -

Cable about Martinello

Suggest 2 jobs get
together one in the bath
Vid 50x other 2 juv

Raise M. \$10.4
Bench to 7.500.

Prussian gets in the
different sheet form in
library. Direct + Nitro
for Duplex.

Ammer picks a Terrestrial
Record in the hard
blank then then
Repres new record
see if something long 200.
3 passing work bubbles out

~~From make one blank
then print the other way
would then put on
transfer paper -
inches. Would then
press in machine -
also try other paper
blanks~~

~~About Baking for week
Master of the blanks -
or even better
say you have this new
account blanks several~~

~~Make square of 10
disc about wood~~

~~Cut out an acetate
film see if it
transfers to a
sub m blank~~

~~Higham Can a bridge
to ward + you land over
the actor + get funeral
just below photo top
of picking -
This would get you
Close -~~

~~Dodd as a young
blanks -~~

~~Italian Design
box + top for \$60
machine~~

~~4. Fred Att - odd. on to
second phone for getting
defect. a worm all o.k. & odd
for running disc slow for
Crackles.~~

~~Try on high hills
equivalent to
in place of
graffite along the
graffite & follow,
red of equate is
due to the above~~

~~Why not take (make)
Mondie & the Redon
press transfer &
pressure are it
with the crackles
to get high pressure~~

~~Ask on telephone of this
soil people if make
pure the soil a the
thrust with oil grasses
& smallest volume of 12" wide
or if can roll it,~~

~~Ask GWA if he can cast
mountain blank on a
Mondie Mondie we can test
with Mondie for Crackles
then, make for golding~~

~~Get Gutter sketch for
transfer & abate,
Q is used for meditation
work~~

~~Again press over let
in clay longer in
mould to get colder~~

6 Coats baked to 220 Eng
Coat,

Reproduction of flatness
at dif depths. See if its
affects dist. & cracks

Transf. 1st of Aches
blank - then clean with
Alcohol thoroughly -
then

See if baked transfer
are affected by
alcohol, very heavy
than after being put on
Substrate blank -

Use minimum thermal
between transfers -

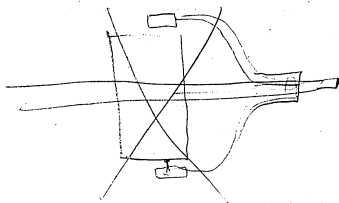
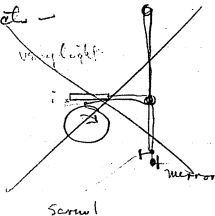
little wash 1st & 2nd
transfer with alcohol
use minimum wash

little wash when
roughen with flaked
rough to cause adhesion

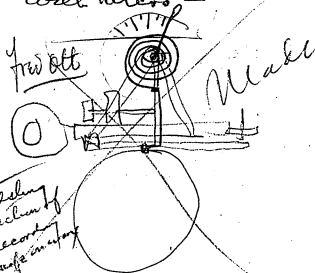
High hard (exposed)
Dramatic pale leverage
Rep. to reproduce
no fraction Rep. -

1st Crook's about
Duplication noise
with several people
but in 2 5' shows
repeatedly interval
of 3 or 4 ft

How Fred att getting on
with all the mark
defects -



Dodd - put 2 fresh blanks
in box with date on a
fence turned then season
8 & put 2 in at end week
2 at end 3 weeks &
2 at end 6 weeks -
put them away for
a test at end of each
month take out & test
with Micro -



~~See photograph on wood
Cabinet for photo &
also larger Cabinet for
Steel & also square
wood -~~

~~Wash all prints of
records well with
alcohol till until
seratch gone before
gold plating -~~

~~Get revealing bath
or chuck bath Record
well - Use Chlorox
also Silk & cloth
dry with Silk &
wash silk out in
fresh alcohol -~~

~~Take some records
already made &
well worn & see how well
seratch removed~~

~~When wash & polish
some of his Council records
with alcohol to test
durability of varnish~~

~~Pierman - Take some
years records when
man comes & make
in blue ink -~~

~~Get diameter of Vic. needle
after its worn to size
its dia is equivalent to our
ball if less it will
certainly cut records if
it has our weight -~~

~~Open - How about Lancaster
a Cost & Expense sales
to :~~

~~How High getting on~~

~~Get Pat to go -~~

~~Test Springs of Motor
suspension. #2 truck
also see if better is in
all possible places -~~

~~On Dock truck considered
heavy plain chain~~

~~When truck OK checked
How to Care of Lamp, bow
& Basc -~~

~~See what is happening
we have with the Cranes
& since her -~~

~~Find Oil - go in & for from
Tide Cocks for all the tanks
same distance apart~~

~~Monday night asleep last
room from initial 1700
was 350 - 4 V M found
man asleep - 1/2 hour
Came back man was up
last it was still 350 -
4 V M went in at 10 o'clock
put watchman on him
a Sea Breeze about an
Oregon motor records
like Pyralis -~~

~~Ready to go -~~

~~See Philip the Oil Clerk
how get on also tanks
& piping - on pumps~~

~~Ash Dyer about Bliss
Contract~~

~~See Kammshoff about
progress~~

~~Higham - Report to me &
what G. kept pulled & I
want that understood
hereafter thoroughly -~~

~~Buffalo Creek
high area records
be used - place~~

~~Chain & place~~

~~Res Controls -~~

~~batting 10 cells
C. G.~~

~~for Exhibition House
some record &
legations between
of Secs -~~

~~Put up a dust filter for
Dod, for making white
Masters -~~

~~Libby -
Council records for
demonstrations
15 men - wounds
2 sets records -~~

Holland test ~~run on phone~~
3 yr. trial - ~~done~~ ~~finished?~~

See if Dad got an old
blank - want to hang
Walter turn about 1

Test for singing to Pilot
Continuous Note on ~~Pilot~~
1 Note the wares - usually
2 hours + 2 recorders
So record side by side -

2
Run below say 30 to 50 feet
Sound a note, this will suggest
when Charles under mixed
together.

Walter, Keller, How about
Miss Charles, Charles at Melby
Contrabass -

Test projecting person of
funnels & Recording process
by one funnel projecting from
this central to a recorder
+ microphone

Test 1. test singing quality
of a day. This is a
2. test of sound wave
work of sound - to get a sound

4 or 5 phones looked
together with very many
does of each sound
separated separately
also single notes - even 2 or 3
with a microphone
Concerts - useful & theatre
orchestras -

~~Test of sound wave~~
~~series of 10 for~~
~~minutes of 10 to 10~~
~~once - to get a sound~~

Machine should take any
12 inch & back up to
in various ways & get
the best combination

For cleaning out of wood
Can use a shock disc
or record of some kind
of a machine

Try disolving in white
way in alcohol - then
alcohol filling & distilling
off solvent -

Machine should take any
12 inch & back up to
in various ways & get
the best combination

Patent Motor Synthesizer starting
Aids, both a series of sheets,
with switch control of other
is also - also the clutch
to shift over -

Dumweller - we should
called by reference
diagram of other from
various sources now &
look to see struggle for
existence & when good
film then before season
ends

3 min - no pass
2 min 50
2 " 75
2 " 125
2 " 200
2 " 350
3 " 500 or if can find up 600
18 min

CSS

do same on smooth press -
before pressing music

Use another Parlow when
Smooth press on inspection
looks good.

Pierman make 4 cups
+ base bathing cloth with
the 3 layers shape 4
5 + 6 layers to get
diff sharpness + test
sensitivity -

The make a receiving
funnel test for soundness
+ quality of separating
from a separating material -
Cal Stewart

Had Grimes if he uses
the Cracks in both rows
first bring over to Oct
+ get ready for plating
trucks blanks all
Hi = goes when he has
gradually with
proper conduct -

Ground up in Mortar some of
CO brown if really
brittle -

Have man make 6 lbs
of it for 2nd A + cell -
for test

Put up 4 packets for
long test Reg -

~~See Hinder about Docks South~~

~~See about New Memorial
Diamond Register Ciphers
& copyright~~

~~Schist pat for Argentine
Batteries -~~

~~Find that Edythe Walker
Queer Record & Dublin -~~

~~See Ciphers of the Co
2000 man iron - after making
after running -~~

~~Goodman says to Hester
that it is impossible to
make very low price
down on account of
the high grade of the
whole thing that we
are compelled to discard~~

~~so many things for slight
imperfections which
hereafter would go out
that we discard hundreds
of records for imperfection
which are still present -
Even now records
that to get perfect picks
we are compelled to make
expensive alterations
long lists which are
all expenses to get
fine music will always
be more costly than
anything else~~

~~When a Dilemma arises
Compromise to arrive
Is that fair & safe
in the long run
Nelson~~

Wickens out 1st Expt.
Picoman on the 16
Recorders +

Announcement Advt
Dis. in August, to
prepare people,

3 Speakers - ^{English and} Standard
Mezzo & Contralto
or use
or standard, soft +
very soft,
see about getting
some words -

get more floury
softer yellow & more
translucent - several
kinds to make a
good test / carry
softening to 11.5
about 1

Briny booth Crook
playing all around etc
over 200 with
silver & submetal

a holder -
greenish - 3 ang of 1st
then goes to 10 - couple
hours then 20 - couple
hours to have it

It always takes 1 amp
to 3

Wilson - Why was
Bobby taken away
from NY

Ballentine - 1st test upon
climes with 5% H₂O to make
sure no C₂O present as that
is due to become 40 and he got
out after C₂O₂ as well,

Something wrong with our
iron pocket though some other
design would make 1/2 or
below freezing point,
design 2000 ft

Soak 2 1/2 grids in water &
let them self dry before use
dillo book in Carbonate birds
dillo Black, dillo dip in 2%
HCl, dry then in H₂O today

all to be load cold of 1900
more -

2 grids, bake at 200. Little 300 to 400.

2 grids wet with slaying ammonium dry resin

wind wire-B10 around pocket, then

Crimp & Compress -

~~Why~~ Why the 1/2 with powdered KCP
very fine, 5% - put in pocket & grid &
Crimp - little 10% little 20%
then cook out

Pocket with 4 screws thin washers with
nut on other side to tighten, or a 1/32
screw with center piece whole length
pocket. 20/1000 thick to screw into

Drive headed grade three loaded pocket
& clench on opp side.

Load pocket with damp mix -
press damp.

Mix with graphite is pushed the
to mix & load.

~~With aiken Camerunix~~
~~cheap graphite with Camerun resin~~
~~+ pulp to make it flow better~~
~~also cant use some resin~~

~~Why should disk move in pressing~~
~~why not press & form perfect shape~~
~~then put transfer on to size so it~~
~~dont have to flow.~~

~~Wash the blank before~~
~~pressing - low water then~~
~~calcinate it~~

Try 3 A4 with B1 grow
run 1 with 5% KCP

1 with 10% + 1 with

15% - KCP, Li -

2 with B1 flake & ZIK 2 hi

Pierced to make
 $\frac{1}{8}$ smaller cells
 dia & come down
 by $\frac{1}{8}$ this -

Rec of legal dept
 applied for patent
 pressing in Vases

Dry buff not only
 the muscles moved
 but sub muscles &
 sub muscles moved

Caliper Submuscles
 blank as of same
 check if not ground
 off back -

Test man tremors -
 24 hours empty stomach
 full stomach with 200ml
 excess water - Empty stomach
 full water -

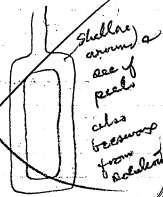
Belt around waist tight
 Collar around neck tight
 & also loose -

Borath Chloroform - Ether -
 Big 3 fingers whiskey -

Sing set down - stand up
 arm up - 1 up 1 down
 belt around Ribs -

Louise

Plate ni -



Combination Chlorine. ~~For~~
2 1/2 oz to 3 1/2 oz.
point for materials
that will withstand
high pressure ball being
8/1000 dpa

Combines the disc
with Penco replacement
Spermat. Sgr pens
underneath a patent
Comb or design.

Warm ~~transf.~~
until it could take
grain. ~~then press~~

To No. 1 Varnish ~~instead~~
10% Pentin - ~~add~~
10% - of follow

Chloral Hydrate.
Camphor
Turpentine / dry drench
Dichlorophenol,
Coal tar pitch
Alene Pitch - ~~add~~
Kok. ~~at~~ Boak -
Rosin -
Sulphur -
Shellac
White Wax

- 1 = Try pencil ~~on~~ ⁱⁿ records
- 2 = Experiment on method to remove stuff stuck to it - use 33% warm - also alcohol. K₂ strong unknown - perhaps we never get clean record - Hot Plaster is better than heating stuff -
- 3 = May be good to ~~grind~~ ^{heat} transfer to smooth the rough 9K05 parts to permit flow -

4 = Grind off surface by ~~grinding~~ ^{grinding} -
dolls. Try one thin ground many
oil - & using dry, little little ~~little~~ ^{little}
ground off - & ~~grind~~ ^{grind}

5 = see the record - as top as much flowing
reduce it to minimum - having others
would accurately made to ground put no
nick for an x view - Control the flow as
it is just enough to fill. ^{improvement}

6 = Show place in transfer ~~not~~ ^{not} paper
under it to even up -

7 = test solubility of pieces of transfer
not want any best material

8 = Can probably direct flow by
padding paper underneath around
outside - also relieve pressure
on solder -

Get plating ready to plate
Silveras disk -
3 amperes 30 minutes then
in box & into Copper bath of
looks good -

9 = probably can plate paper
ring directly - record on it
so most pressure not from corner
on record part flowing bad stuff
to inner - outer don't washed
points.

10 = Run then surface of transfer
but a certain amount of KOH.
see what it does -


11 = take a 1205 transfer, good clean &
put 1 coat varnish in a bake regular
try 1001 + Reg varnish -

12 = Inspect transfer - rings
from top of spots, then
varnish the bad spots - bake

Speak Walter Wells about
tracking a ring stop
Reaper going over on
Lambert

Walter Wells has
Hayer got a blowing
off of the chimney
also stop Hayer's Reaper

^{from} From (old) water meadow
3 amp 10 minutes
then raise to 10 - for
an hour or so. then
you raise to 18 or 20
when air is used

When reaching
 1 hour
at 7/10 amps

go over with barrel every
3 or 4 minutes to remove
sulfur

~~Gravelly - pref. air
then Ozones apparatus
blowing into lake so
or electrolyze the air
only or 6 or more
cells -~~

Smith put up 2 cells
on 2nd duranite -
With Reg Electrolyte
but made with
KOH with 2% of
KCl - furnished
by Silver Lake

Walter Mills

groove in edge

See figures

5

Send Note To Toynbee
want see him & find out
how he takes care of the
beacon post for miles
Show grooves in the
shrine & then go on
to test all his calculations
a basic section - etc

See Dickson that all
transfers are correct
Bones are put in
a proper way



Shog
West Walker -

press a Petal Cylinder
white wax stems patch

Look at Record Material
Golden recently made
for me

press a piece of Carbonate Sr
just moist little more small
in fossils & dry and look at surface
also See Notes on Chalk &
soak in paraffin

Little Discs

Little discs
Cast disc of 140 MP paraffin
see how it processes the next bottle
if it is 135 @ 137 MP paraffin used

ditto Ceresin

" Beeswax & Beeswax hard

White wax does tange/s

White Ceresin -

Black Oxycents -

Stearate Nickel & Manganese, Lithia
Fry from acetate, used to make in
house High MP glassy -

Silicate K glass it softens -
+ melts see if can cast a small
disc

~~Lead glass~~

Stearic Pitch hardened by
Stearic & etc -

Oleamide - action also of
ammonia on oil almost demonstration
at 75 Cent - see if Quilcher made
this likely so long ago

Chlorine must be melted
in alcohol of chloroform

Silver sulphate, among, cut with knife
used as varnish - printed, then reduced on
surface,
see if Ag is actually.

Can use precip silver or fine silver
Chloride melt - can be poured in varnish

Phosphide Hg very to cut with knife

Sulphuric acid Silver cut with knife

See if the fusible metals have a
softening point before melting -

ditto if Tin can be alloyed to give low
softening point -

Metacinnamic softening heat draws
into threads, can be cut with knife at
one temp - Varnish, yellowish lake

gutta percha - solvent, varnish,

Permaldehyde phosphoric acid, transparent
Sulphuric acid Mn. Varnish, brown
also Mn not brown

Carbide glycerol - trans diff part purging
must be at or after

ditto Bismuth same as above melt 100 Cent

How suggest to aug 2/3 volume
for photos so as not to per-dum
further more →

Ask Gatti Cagay if 3 or 4 stand
underneath with promples so
can use my horn

Higham why not double
friction 1st trial on Mexico
which reproducible and
Committed to a 2nd which
should be double?
Then get rid of 3 or 4
that have good amplifying
Records

Mining lamps double
glaze, been tested
water, or test in Mexico
Have kept tried at
Harmon then test
try at Lab in explained
mex

Dyn - what do Gatti & Polym
do losing our Kinetoblog
get data, how about
organizing sales agency
all members

How about Genl Film
Co new organization

Also film dept at work
bad - bad person better
not answer, Thompson
mean of no resources -
Not good work - big new
machine with all the
drag - Explain Ray
report in Re Graf

Control with Mexicans
How would I do 1200
graf & Crumhorn come
over. 1st Sept see new stuff
also Making Cabaret
in Mex City many

Dyer Continues

assemble these small
place we said expect
only to know

Reelin - Make sense
of all big music
shows, perhaps Aochin
if they are not with
Gramophone of our
recitals -

How about Defel,
Pawnee = also of
in addition to our 4
Reel can we put out
an Extra Scientific -
Anything you heard from
Publication,

Card index session stating
their best requests
mainly voice, paper
place & Conception little
instrumental etc.

Looking after Contract,

Try the 1/2 old filled
submarine in bath in
Chem room Coppering

Gordon has now
travellers been taught
to take report a part
together new machine

See mentioned new
papers when he will
be ready to make
account list

See Rogers & Bachman in
Re camp note.

See Low if he cant
rush Kamenbach job
by putting on ~~extra~~
man -

Point in phone talk
we have 100 units
of money to spend
we are not going to
spend 90 on ~~unusable~~ 9
10 in voice that has
no real value
We shall spend 90
on getting good voice
& 10 on activity -

Mem for Goodwin ⁸⁷
⁴
~~252~~

dont put same singer
on both sides of a
record -

Advis - See some of the

Theatre Guilds &
introduce them in
place of orchestra
Singing the fine
Opera & other
songs from the
orchestral leaders
set, we can get
an orchestra

Advis New machine
for phasing clean
up ~~phase~~ orchestra

Patent ^{orig} Reposer in connection
with Vic Res using an
Extra ball or winto under
the reg Reposer or several
wires of a brush

Try out for Andersen
on my Vehicle Tar paper
for Cells -

Tell W. Miller that to
make Chorus so loud
so they will be better
= If they are not quite
so loud as what it
will be better -

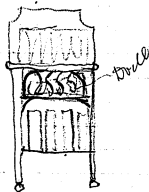
Smith gives me the number
of Nickel mgs in each pair
of test Cells with the
Capacity of full
Charge after the 300 +
600 hundredth men
Compare this with
Same nos in small Tube
Cells to get indications

Philpot just clean
press from
Can suggest that
substitute lead
for presence -

Handed another
man

Dutch -
Go to Rent out Kinescopes
\$2.00 ~~week~~ + ~~curtain~~ -

Clock with pendulum
valuing 160 & also
go to ~~last~~ even rev
of phone ~~or~~ patch
in ~~bottom~~ -



Archie & Gump
Transfer blank mat
flat on top there is a
flow at edges

 Correct this

Order 1/2 doz tracked
Records today ~~not~~
~~then~~ to have on hand
see Jones uses his
others on Kinescopes
to Veech -

See who is responsible
for Sales of
Kinescopes

Ask if ~~Waddell~~ Waddell
is doing ~~Spiky Pic~~

Radman H. & G. (G.?)
Bee Volant has become
of index journal for
following B. Cells

For wrapping discs & electrodes
Use paraffin sheet rubber
handkerchief 1 ft sqs -
also get pair burgess thin
rubber gloves handling blocks
& electrodes - try collodion
& dissolve off at night, tips
of fingers -

Get Baker out of phone so if have
above gold wire,

Inspect the first 2nd &
all prints from Bloomington

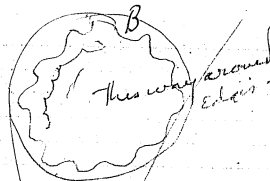
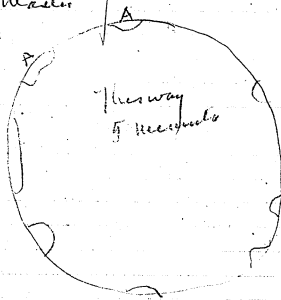
to note if mould gradually
got bad also listen for the
herald on each 9

Ask Grimes keep & time he
plate nickel on mould -
& how he prepare the mould

Rig up revealing Cu plates -
Use central depressing anode
Get any Milsen & Ray no carbon - scale
10 amps -

Quemets to keep all volts of any
plating smooth transfer ^{smooth}
to test plating spots
want 20 or more -

History of submaster plated
with plasma if porous an current
just started fine but could see
where plasma had covered over a
small piece of metal at outer edge
put it in Cop bath $\frac{1}{2}$ amp 8 min
One amp 14 min $\frac{1}{2}$ amp 17 min
 $2\frac{1}{2}$ amp 5 min $4\frac{1}{2}$ amp 15 min
When cop was up to edge
of label, kept this on till
covered a lot of metal for
Master.




After $7\frac{1}{2}$ in we made
all amps from $1\frac{1}{2}$ to $2\frac{1}{2}$
+ by mistake a washing with
current off a minute or so
+ 2 times where we got
40 amp for 1 or 2 sec.
we found the circle had
retained from previous
experiments at $1\frac{1}{2}$ + the 40 amp
 $5\frac{1}{2}$ of inch + it was discolored
color being red, this
discolored color gradually
approached outer color but
when disc covered the 2
quadrants of metal one distinct

It shows critical around
Edges poor, wire should be
put on before gold plating

7/10 amp on nickeling

1 Hour

Suspended in Vertical

 anode
Position about 3/2
inches

Speak Legal dept that in
course of operation & procedure
we left off the area of ball
with the anode how it
corrected in application

Babson - Moore phone rent
Machine & disc - ~~and~~ ~~and~~ ~~and~~
or under by ~~by~~ ~~by~~ ~~by~~

Speak Philpot

dipping
this.

Exhaust - ceased spraying

Adrian +
Moore (try cooling
in bottom of the transfer
Stop Croaking

Note in 10 Records
if breaking to some
depth on start as
ciding -

Make wear test out to
Varnish - Aiken makes
Coastal records & wear
& Cold test = low
Records -

Tell Walter that which
We agree in contracts
to take say 10 songs
that we may want many
more if the songs are
favorite

Aiken & Moore try
Cashing on Ballgame
side -

Aiken - Calliper the
rough blanks before
working put on -

Walter Miller want
1/2 doz more tracks
blanks, take great
cars with them just as
much as if a record
you cut, then on
some,

Dym - see Durand
about some copyright
Columbus Stamp
for etc

get paper Electrode lian
Calcium
try. SrCO_3 BaCO_3
Ba Sulfate paper
ZnOxide Sulfuric. Zinc white
flashed Rorange,
flashed Chemically green -

Hutch single Dynamometer
ford - ~~on~~ ~~gaging~~
Hoop it

Instead of c. 12
Coat transfer -
pour in melt
harden it $\frac{1}{16}$ inch
back it up & press

Lead plate
Cool transparent disc
gold plates
steel gold metal
H. P. metal

glass square jar
Nicholas Waffler
28 Warren St
My
Outside measurement
13x8 13 $\frac{1}{4}$ deep

Mud Malleable
12" high - also 4
brackets - 4

for up new gold Vac
with insulation & get
heavier plating at Center
at $1/2$ the loss at Edges

Brady 126/NO 36
Phase 1 Cap & core
See page 15 & 16
new

See if Vialing Pic
is necessary
or after

Make close fitting
box for Ashens crate
of transfer plates &
take at 130 @ 140

Laquer 1 Egg camp 16 1912



side ring & perfectly
flat plate.

Each plate could be raised up by a
Screw cap covered by insulating to spread
Laquer -

2

Ashens rock put in box with funnel top
& close, for level plates & pour
put in oven 125°

3

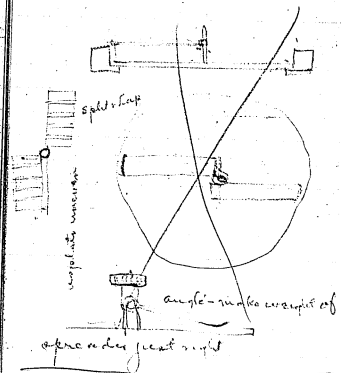
Dry the Laquer & put on with screen
the malle of hot melt & put in
closed chamber in hot & closed vapor
of hot melt even use of powder

4

pour in center a
definite amount
Laquer -

put use insulation that gives it
insulation at angle tied & spread
then air dry & put in with
coat use oil

5



6

Asken to make several gals
of No 7 Varnish -

Try Kly & H₂O also aqua regia
also Chlorine gas - Bromine Chlorine -
Chlorine gas - Acetic acid -
or water - dilute H₂SO₄

8

Varnish very waxy. Each coat in closed
space place small square glass plate in
after Varnish kept 100 hrs. dry &
out to coat. Take out bubbles due to
breath close cover. It is not released
before & not to be kept from coming
out by the air formed above

9

Order that Denial Rubber for
wrapping - also try alk. handkerchief

Daily make 12 L for gold Vac

11

pieces of glass mounted

12

Discolor gold by Kly & Na₂S
oxide -

Try creosote, also Tincture N₂H₄
& also Ammonium persulfate
grows brilliant coherent
Ni deposits

Dyer about Shoe Mac
Lawson help us -
or also all letters
submitted -

Webster you know/c
large quantity drawn
points in the field

Pathe speaker
take them out & use
in new speaker
We shall never
use the Pathe -

Patent fixing the
Survival new reader
So can't say for
use on the machine

Patent flowing process
Veneers for records -
patent gold Veneer process

Disc what of new
disc been put German
England - put main
feature -

Patent pressing Records
process,

Patent Submarine Lead
or fusible metal
Superheat on lead -
non-Cryolatin -

Have we patent for
Veneers of Condensate,

See about making disc Europe
import when I will go off -
patent article info - if possible

See if I have patented
Cobalt in S. B. B. B.

Order from T. B. B. B.
Bros 2 of pure
field cure ~~to 1000~~

Patent for show also
paper soaked resin
then I was pressed on
also powder blank &
paper used for counting
Vernier -

See J. V. Miller w/ to how
much Co he puts in &
have him put up -

Walter Wells open
books & charge ^{all} cost
each record to production
Dept so accounting be had
for every register so they
will appreciate costs.

See Wunth about Vault
for disc records - Will
that want room for more
than 200 after we catch
up -

Improve the Can for
holding white records
for shipping & for air
tight -

See Lahr how he is
getting on flower chip
for white records

Has flowing varnish over
Records from padded -

Aches - all the plates
we got out except with
one lot of keys are
affected by alcohol
You must filter out
6/4 - it should be
added afterward -

Trouble with Reed
band is that one
instrument is a
resonator for
the other -

Wet about the 2000
clocks up & down
noisy & bad - all on floor
getting dirty - these have
together one, then down
then up again & now all
down

Grimes which you
start recording
Keep account of each
white & black &
put your numbers on
each so we can
find out the % good
about -

How Evan Williams
on Vickers

~~Shelton~~
~~Wagner~~

Arrange Shelpat to
having Hughes
Records before
right along hereafter

Have boy make wood
test on vacuum pump
50% let him be attended
by Alachua

See if Lee patented
Moulding Records in
Vacuum - built
Vance

Warn ~~James~~ ~~Wright~~
+ asked about having
new men or telling any
one in Victor was a
spy in woods

~~Moore~~ ~~Subavala~~
Cup -

~~Moore~~ ~~Frederic~~
about cups
right away -

When transfers sk
print 1 each all over
Museum work
then proceed to
stand on the shelf

Write Babson he
should fix up a
demonstration room
for 50 persons at
least & he will
save room in not
having extra room
he can then have
programs

Printed / Why the delay
on extra transfer
plates

Dry cork $\frac{1}{8}$ thick
in top of Corlans
for transfer discs
Records etc -
in place of the fuzzy
flannel -

Exp 12 - 2 piston 100 g undiluted
1 flow - 5 min Contact 130 lbs then
10 min 1500 lbs Vac on - then
Vac off, Chill - let pressure
go down naturally -

2 disc perfect 1 faint crack
at Edge but soon how & clean
only 1/2 = its lack of hardness
makes it Cracks - not tough
Enough - brittle - got 3 out 4 OK
4th one was the 1 1/2 steam pressure
This appears OK at 170 steam pressure

WE now try same way
using two flows of 400 cc
Each 50% diluted 100 g
making equivalent to
53.2 cc of undiluted 100 g

Series of desc: for
private recitals very
expensive,

Defer -

Why did not Legal
Dept Call my attention to
Johnson & cut out issues
in March & let us go
ahead spending
thousands of dollars

Plum -

66% Dens 33. Water

Hot, saturated with
O₂ filtered, little
H₂O - ?

Get from Leland Clark
book - Charleston Company
also Marine glue -
for plating spiders
+ devise new one -

5- Water 1 acclous
1 mm dip -

Patent flooring -

See gums if he
was suspected blowing
Mendham -

Telephone Lefferts about
bad Cellulose -

Patent Marine flooring
Disc plow Englem
from Groun

Use amyl acetate +
stick 20/1000 while
Cellulose to Trans-
blank + press flat
+ ~~set~~ then print
Record on it. Note
Patent this of OK

Lead WP

Fluoride Acetone 292 C

Boric acid 196 C daily 577

Pb Chloride 498

Pb pyrophosphate 806

Lead all -

Enamels head Boric acid

Phos Soda Silicate Soda ash

Ca phos - Combination of these

Mix of Tin Oxide + Litharge -
for Enamel on pottery

Patent rim transfer plate
also remove plate rim

Patent drying &
flouring, baking
transfer - also in
Vacuum - Patent printing
Records in vac.

Patent numbering in
Edges - Patent

Reprinting, © so hardening
that it can be reprinted
as new articles w/o stop importing
Good at No 1 & No 7 Varnish

Patent Cresal Resin & paper
or other fibers Glue -
Patent Varnishing before
transferring -

Patent Enamels for dis-
cuss best one -

Patent direct printing on
against flowing if it can
be done -

Patent Method soldering
Records to backing

Patent Vase holder &
Rubber ring & all
details

Patent Center Disposition
integral

~~How. Dred & patent steel
nickel plates & welded
for transfer plates also
nickel sheet welded on steel -
Monel & German silver~~

~~pat up & down cut disc
against thickness & weight
to stop vibration~~

~~See p. 60. Made funnel
swing in center when pat~~

~~Patent a disc characterized
by the original cylinder marks
of the recording knife being
preserved which insures
the accuracy~~

~~Lat. 100. 100. 100. 100.
Asphalt. & V. etc.
till about 600 deg
Fahr. Removes & see of
press hat, for disc use~~

~~Colony Celluloid with
a dry dissolved in alcohol
Acetone etc & then adding
water to prevent the
Camphor from being
cleared out~~

~~How about. Trade mark
Blue Amoral~~

~~Patent removing the
surface from the
elemental marks
& defects a low camphor~~

~~drank up the better colors
near head disc of
glass -~~

~~Borax. instead of silica
probably but I think
this would be wrong~~

Dry Zone 1st date & phos
used - quick method
gathering test record -

Give Grimes plenty
inches of subaxons
also tell him to be careful
turning has to be careful
plates -

2 Otl - drill all
aspirin plate etc at 600
C 750 - want see results
for discs -

Philpot records

3 of water

1 of acalons

262cc water felted

88cc acalons

15 sec moving cylinder
Dry

Grimes did you inspect
blowing off machine -
also when did you keep
me waiting 2 1/2 hours
keep a new book -

Patent Chilling ring
of transfer - record making
holder -

Wilson - Arrange to
change out raw cellulose
block to Philpot as
check - also daily
reports of good + discards
Records -

How about Annealing
Submarine blanks -

Wilson - Inspection of blue
circulars should be made
often must make the paper
also something should be
changed out to cylinder dept
accounted for - also rejection
sheet kept show causes of
rejection & remarks

Organize some thing over
dept. want weekly
reports -

Harriss. No control of
heads of lifting over personal
but inspection should
Control Chief Inspector in
office -

Constance Brown
Contract

Wilson - Hold records
are not to be kept in stock
only made to order
Dealers keep sample &
Keep no stock - This must
be done or we lose out -

See Eckart foreign

See Round Robin
overwork -

Nicolaif he has
good man I can put
in position -

35 Double records
Monday 18th -

~~Dimwitted glass
base plates. Use
app~~

~~Shoot 1 gold dove
Ocrab - make
3 Extra -~~

~~Lulu - mounting
Indiana Coals -
wants 4 Coals~~

~~Bliss making 6 =~~

~~Rich - wine & defunct
Co - pick up Coals &~~

~~Oil on ground or old
wax - or old wax
mixed in gel + put
all around big
building~~

~~test the 100 dis.
Records Council for
Boston -~~

~~Merkle - bird tall
yellow - unmarried, 3 yrs.~~

~~Mcyei - older man
born with Co. 15 or 20 yrs
gone - lives here - 3 or 4 yrs~~

Proton ~~show~~ records

Merchandising
Little Rock, Ark.

Must something come
out blank (black) in
Vac by heat work
with lower temp.
exp. —

also if there is a film on
surface it puffs up in
Vac, better wash the
Sut-Monitors off —
Vas —

MP of Cresal resin should
not be less than 210
higher all right,

using 25 Cresal 75 phenol —

239-A 60 wood 40 Resin
pressed 200 lbs instead of
500 —

240 A 50 wood 40 Resin

241 A - 50 & 50

242 A, Res 66.33 33.33 —

243 A - 3 wood 1 Resin —

244 A 3 wood 1 Resin all
Cresal - low MP + 180°

245 A 3 to 1 all Cresal
High MP —

Wilson - phone discussed
for Library - for Proton

Haldestein - Rye MP
 of Room by ~~Alkali~~ -

~~Alkali~~
~~Alkali~~

Alkali ~~Alkali~~ Vanishing
 paper - ~~Alkali~~ ~~Alkali~~
 Hires for ~~Alkali~~
 do ~~Alkali~~ ~~Alkali~~

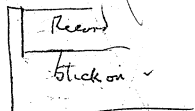
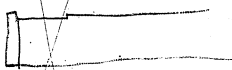
2 Soft wax washers
 Made by ~~Alkali~~ -
 make up =

Moors hair wound this
 do

~~Alkali~~ solder



do could force out.
 or a band



in moulding put a 003
 ring in mould with of solder
 to stop clench

Patent, including Copper
for special ~~use~~ ~~use~~ ~~use~~
~~use~~ ~~use~~ ~~use~~

Tell Bee that the 50¢
Bakery Wagon with
Motor on differential
is bad - should have
shaft & all motor put on
it.

Harry - Keep clocks time
over time & pay at rate
of 50 work for 40 times

Dyer Wilson McClellan
about paying shoes
in Boston to advance
phone in their accounts
We do some business

Dyer - Take Pic - only one
2 years Exclusive after
that they are not to be
separated if it isn't got
it as cheap as others

also any extra films
after the 2 weeks to
be paid for at 9¢ plus
Cost of producing negatives

Legal Dept - Did the
distribution program have
apply for synchronizing
device & what
arrangement made
with him -

Wilson - get Cost Diamonds -
Trophenen Comprom to Weber
Trap has no opportunity & is hopeless

See Waller Miller on short
records go in further say
1/2 more this week up over
2nd on transfer

Dyer on Curved leg design
part of Victor, see about it

Heckle Quackling if
better not use of good
translators let each go on
give the money saved to
Jabara to help out in
their problem. These men
translators will be better
get from him yearly cost
his translators all expense

Buckley - No at Weston
Dependence

Hargis - design 60 machine to
Screen into Vic Cabinets - Victor's & other
type - All I can put
a find on Victor
Bookwork -

McChern some ability read
phones at Boston shops in
their advt & separate -

Letter for Chapman to
Fox -
4 Cells for Test Bureau

2 Records for Maine
Redman

Wilson - how about Coal
Diamond points -

Harry Miller - Keep Wilsons
O'Connell want to pay it

Patent Cellulose pressed
in powder blank
& then printed -

Patent Cellulose interposed
between Conduits &
the blank - Grant paid 4 to 1
in cellulose
also after Dept furnished
transfer to press
only ~~to Conduits~~ the the
printing & subsequent
passing the process
to any kind of a
blank - paper pulp
etc -

Try a very much harder
Conduits plate to flow in
place of man delivers see if
its lets go - Expansion
could be 600K & could use
No 1 - Use Conduits that
don't soften -

Did legal Dept ~~disagree~~
Openure type of
Plans plans if not do
so as Ward Conduits
going to have
something like it

Patent 2 or more
discs connected
Clockwork with
pin to prevent Cracking
& Conduits horns

Maxwell = To get Byrallth in
Churches go for the Bishop
of the diocese of Gloucester
+ show them + they will
start back nothing

Dyer - Leg. Dyer for there
everything in writing personal
sale of the property in
church go in the air

Write up a whole series
of patents on the new
+ (and improved) blanch
paper on + flower also
dipped paper with Varnish
+ translucent + strong
+ know way to get the
same results

Must the shop in Varnish be
and also patent Varnish
with hope having good
creation

In any Contract with French
specify that the prices shall
not exceed cost + 20% profit
including Chinese labour

Find out who you put now
speaking on Varnish

Dimondrie glass retort
big wide thermometers show
3 cooling point desiccation

Wilson - give him
something per hour French
full improvements

~~Coverlets + avoid sustained on very
high. Use more chords on strings
independently avoid all vibrato in
Covers etc. Except where strings in
one string at 50% or where all
strings but one play steadily.
Must have softer reed on valves
+ put the large pedals more
outward moving past body.~~

~~Use violin to run scale of every note
+ determine tone of lower tympanist +
avoid it.
A second violin with flatter
bridge so sustained tone can
be made on more than 2 strings
avoid undue like that in measure
of time. Don't neglect up with the melody
+ cut it short.~~

~~Am a good F~~

~~Try old Copy as
bars or steel lap fixed
manually to strike
sensitively record
one person -~~

~~W D Frow
Wks in Bless Dept
Bert - wants get in Lab
Crazy~~

~~Heard Anselmus Replian
so Walter can make them
in my with accept
then we can send to
Europe + take him -~~

~~of V Miller their
Sheet Music
also plates, records blank buttons left
market + could
When get Council Records
send Marchmont Records
as fast as possible to
Hedges London for
possible use in studying
over methods -~~

~~Order from Cement
works 12 muzzles
all with 4 prongs
a complete -~~

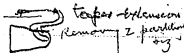
~~Get samples 150 & 200
screen for labels -
over now 400 -~~

~~Wishes if he can't
arrange so Democh's
boy can see the
weekly films~~

~~Urbis - he is at McPherson
Tenor is only 10 months
get records -~~

~~Where is Mrs 1 2 & 3
Moved for happy
Days to 3 30 seconds
good - & parents well
be ok -~~

~~Victor -~~

- ~~1 = get a Xetrodon~~
- ~~2 = try non tape and tape funnel~~
- ~~3 who 1st used 4th funnel one part more
other still~~
- ~~4 simple tube~~ 

- ~~5 get 1st, Did 1st patent running
the tonight~~
- ~~6 Goodwin get Xetrodon & type which
are different in composition, down
to 50, 2nd round, 1st do & 1st hour
a 1st round, 1st hour~~

get 6 double draws
for Moore,

Roll Cornucopia to break
transfers & reasons
it had been broken.

Moore, etc. Values for
presses - on ground & also,
without almost all
presses down

See Valves & Shulps
shop & find new
duties -

Have Daily start
Rettus & cleaning
out records

See Philpot find why
so many inspections -

Give Fred all
Victoria funeral
decide &

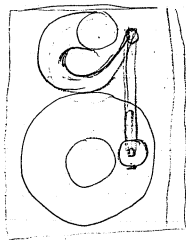
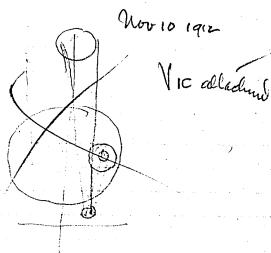
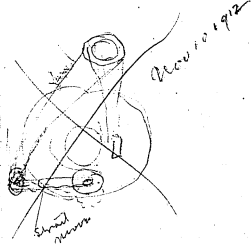
get Victor Exposed
Horn Machine &
tell Fred all
how for it -

Have records for
repair -

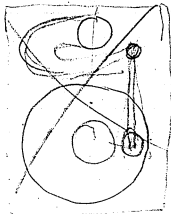
See Rabbe get
off record of
lots -

Nov 10 1912
 gloves for ~~W~~NOTE -
 Revaling needle device
 Repair screws -

What is it Skolink
 Romany that sonaps
 123 123 123



Victor
 alluding
 Nov 10 1912



Tell ~~me~~ to ~~change~~ the
 World box to the ~~backing~~ &
 World,

Get the 6 boxes for Prints
 & put them ~~at~~ work -

See Eckert & get
 Stock on ~~and~~ in -
 detail & accounts
 & all information so
 I can close out foray.

~~How~~ ~~Walt~~ ~~Stewart~~ & Eckert.

Arrange with Nicolai
 about taking ~~over~~
 night ~~foreman~~ for Press
 outdies.

See Oyer - ~~off~~ 5000 for
 film -

Badger in see grinding
 Valves =

Ordered Valves 32 Valves
 Burns ordered them =

floor in 2X for presses -
 Burns ^{burns} no steam filter
 want ~~good~~ more - see Weber

18 = What is Bridgen's ~~pages~~.
Lillo Nehri - Lillo Dodd,

19 = see Dodd about taking ~~proceeding~~
of all blondes in his depot ~~and~~ of
big baby =

20 = Where where shall we put
the spinning machine, we
don't want - need the ~~man~~

21 = Tell Wilson ~~trying~~ negotiate
for Pike at M ~~blond~~ storage -

22 = What what ~~place~~ shall
we make ~~Spals~~ with small
Lumps - Police Navy, other
Realtime, etc.

23 = Rental on the Disc table to ~~rust~~
it =

24 = Goldstein who ~~the~~
gold powder -

25 = Wilson - about ~~elig~~ of def moulds
records, why not have a set clock &

arrange ~~storage~~ for that amount &
only info as ~~all~~ & not clutter up
the who ~~fighting~~ with boxes -

26 = Take an old mould - see best way
to ~~put~~ -

27 = Mendocraft ~~take~~ all my Corr
& answer everything possible - only
put things he can't answer back in
basket,

28 = Correspondence for D ~~yes~~ comes to me.

29 = Speak Cromelin & Prof about
small picture with ~~hand~~ and for
cheap M.P. Theatre & make a deal
with them to ~~work~~ it up -
show the pics to them with good ~~are~~
quite as it

30, Dyes show document giving
us right to use films small ~~PK~~
from M P P Co,

31 = see Hulse layout drawings
for changing the openings on
the 4 female tubes

32 Hulse ~~what~~ progress on
each truck

33 = go around with Lohr & see
what work is now in shop

34 Badger get some drop pipe
for our steam piping hung on pipe
by cover ~~how~~ until we get time
to repair leaks

35 = Check the damaged in use see
how it breaks up

36 = find a horn Victor, think
Aiken had one

37 = get list of the 10 records
sent to Houston -
then make up a new list of 6

for each address & to get all & fill out
the 4 to Houston with additional
ones to make a new bundle,

38 = put a bunch on filling
tube in flowing Machine &
the outlet to prevent bubbles

39 = go with Nehf & Olson to
flow below 21 arrange for
inspection stoppage & shipping
of disc records

40 - Hulse how you getting
on with the disc records

41 = Rubbe break a girl to test
Records - Moore find one or ask
Nehf for old hand,

42 - girl on Moore machine to
test doubtful records & new print
& transfer

43 - find out what heads of
depts do their duties, get it on
type writer,

44 - Wilson if he got rounded
Cups from head books for
Repdars - also books for
Repdars or Cardboard books for
high priced records.

Moors - How about Cups
from Wall, Lead - ~~from~~ ~~from~~
~~the~~ ~~the~~ ~~the~~

Ring, for Sub Master
moulds

Landry Tinklers
Cartridge -

Raise Erni
Ernest Richter Check 7668
to ~~the~~ ~~the~~ 30 cents
hours

Why not give print
Lab

Wilson - get stuff out
Lents, Bertha, remove
his stuff ~~he's~~ want
Tent ~~of~~ orange

Start on model 3
disc theatre machine

~~Grum~~ ~~More~~ ~~Vac~~
~~ap & bath~~
~~grates~~ ~~Cross~~ ~~plate~~
~~Capacity~~

find out from Dyer
who are directors
of WPPC or if objection
to me taking presidency
if that duties must
be performed,

Tell Budget get 100-
Class clean filler
Burns n g

~~Harper, Cant use~~
~~Egg Album, must~~
~~Cash Records~~

Arrange with Grum
for ~~6 more~~ ~~Neck~~
& more plating -
at Lullie Carpenter

Heldren ~~table~~ at
Victrola ~~gives opinion~~

~~Philpot~~ handle on
pegg box -

3000 daily
Very rough estimate

Blank	6.00	—	3.25
Varnish	2.75	—	2.75
Talent 4000 day	13.00	—	13.00
Repair supply	2.00	—	2.00
			<u>23.75 Cents Recd</u>
			21.00

Trimmer & Count	19.00
6 girls	9.00
10 men	25.00
6 Machine	39.00
1 Solder	3.50
3 Night	10.00
3 Repair master	13.00
Supplies	25.00
Liquid Power	10.00
12 Suspend	6.00
1 "	
2 Transferring	8.00
Extra	15.00
Current 60000	12.00
Dr. day, Steam	5.00
Ice	5.00
Extra	20.00
	<u>213.50</u>
	213.

powder press 6 men	12.00
Resin 4	8.00
Foreman 1	4.00
Varnish 2	4.00
Press 4	8.00
Laborers 2	4.00

Flow press 2 press 6	15.00
Laborer 2	4.00
Suspension	7.00

Transfer 3 press 13	25.00
2 Laborer	4.00
Suspension	6.00
Laborer	8.00
Edging 15	30.00

136.50

Flow Varnish 15	22.50
Foreman	7.00
packing 4	8.00
Laborer 4	8.00
Formacum 4	8.00
Plate Clean 4	8.00

Lizards 10	25.00	
Trucks 4	8.00	
Dressmen 10	25.00	
Inspection 6	10.00	
Extras 15	30.00	
		159.50

Steam power water	60.00	
Repairs	50.00	
plates	15.00	
supplies	25.00	
Rent	12.00	
Extras	50.00	
		\$ 212.00

222
 136
 159
 212
 3 $\overline{) 729.00}$
 248

I want March of them
 do some more

10th is 15th people make
 battery Composites as
 when require mileage
 of best feels too low to
 put in, already making
 track —

Wilson - Make some
 No 2 Reproduction
~~fact then~~

~~Open~~ good for
 David & Geo -
 had No 2 on New and
 Chorus - also other
 blunders —

~~Mason
I ask for Muzzler
with Sponges &
Your Champ sent
them without~~

~~Arrange it with Wilson
that every shoe in
N.Y. & Phila. W. show
the shoes, & get 2 medals
for each - This is the
cheapest & best form of
advertising~~

~~Wm Smith
Stock Room. Wks -~~

~~\$8.⁰⁰ work fairly bought 15 yrs~~

~~Bochman Smith
There is certainly something
wrong in these books~~

~~Burns & Nicolai
old hand & repair -~~

~~Have Mader
brat up to repair
room & clean
can listen to
see cards~~

~~Badger & busy
on that longcoming
Repair~~

Tell Walter Newman
that at first will only
send few of the Disc
Cabinets to Argentina but
do over 600 mostly in
attachments & Records

W. Miller - Case to Carry
blank, crack.

See about another place
for plating submarine
various equipment

Take up subject of
Current for Small MP
Machine -

~~arrange in Re~~
~~Thanksgiving Day~~

Withdraw NY Land Station
instructions & change
about Vic attachments

~~Tell Jones about~~
~~grafing Repair spots~~

~~Mallory - Offer Cost~~
~~Bills, etc~~

instead of steel in
drawings to scrap smooth
part & see if it cuts better for
grafing

Try KOH on a repair spot,
try grinding it down by hand
and slow —

Dyer	164	
Dalbear	75	
McChesney	75	
"	35	
Fretton	60	Assistant To Dalbear
Stevens	100	
Maxwell	96	11
Eckert	75	
Weber	190	
Nehr	40	
Badger	30	35
AWurth	40	
WMPelzer	100	
J "	60	Manager big little Kinto Dept
Phompson	115	50
Dodd	40	45
Williams	40	Super Bldg plant Eng, Construction
Holden	96	11/2 Low
Hardy	43	35 Patrol attorney, press center appon + other legal work
Madson	40	Chg. police and complaint, gte. foreman + cleaning up after the chief + deadbeats
Bachman	40	press point appon, other legal work
Lanahan	45	ditto

2 W 30 - Braffing - kept track for one Pat
 Brown 30 Braffing, put off drawings
 Unger 25 - Slough for Holman + Macdonald
 Miss (and law) 18 - Being driven in car in W. where
 Stalked 15 - Being reports of appear false
 17 50 Slough for Macdonald + Hardy
 Boy 50 Slough for Macdonald + Hardy

- 1 = They have no idea + forget part
clean
- 2 = Edges too sharp on cap Cut
the round top off
- 3 = Many are cut too short,
- 4 = also burred at Edge in
Cutting =

pressed 245 \pm = 1500 170 steam
bet gamma 5 $\frac{1}{16}$ plate
didn't flow out fully
surface of small ones
Callipers 135 1400 out
Reg 25-75 small 2 to 1
Callipers 66 -

2nd one Calliper 135
3rd " " 126

Rings touched in reason didn't
about 3rd one had thinner ring

Note perhaps 3 to 4 records
will not stand 1st
test 48 below 2nd,
may not contact right
in chipping on press with
Varnish or it will prove
low contraction -

244 after 1500 lbs Calliper
140 - no contact with outer ring
possible covering the whole disc
wiper off OK 140 - 3rd 140
rings came together, didn't
flow out in consequence
disc OK -

243 - don't flow like 244
& 244 - Rings didn't
come together yet didn't
flow out, blanked look
good & OK Calliper
1st 142 2nd 138 parallel - 8
3rd blank 149 - 145 -

from get some of
Heraeus Opera in
bath room as
possible -

600) 18000 (30-

30 men.

194
288

Blockers below are fine to
stick to surface of blockers
even malle surface

These are made with 300
lbs pressure on pounds, blocks
press - instead of 500

180 MP 10244 lot 236 grams

Phenyl resin 2to1 lot 259
grams MP 223 10243

10245
Cresol high MP 3to1 237 grams

218 MP

Reg 2to1 - 75 phenyl 25 low MP

Cresol lot 324

See page 6 data

1000 blank 2to1

228 1/2 lbs Cresol Resin 11.7-2647

457 Wood film 1.2

9 lbs hemp flock 90c

548

90

33.15-

4.7 c lbs of mix -

3.42c blank

5to1 3.9 lb -

17.1 lbs phenyl resin 23.20

4018

57 " Cresol " 11.7

667

457 Wood film 1.2

548

9 hemp flock

90

53.23

7.6 cents pound of mix

new MP Resin 100 - want
high to make good blank &
lubricate before set flower
not stick to plate.

9151

$$\begin{array}{r} 120 \\ 25 \\ \hline 600 \\ 2400 \\ \hline 3000 \end{array}$$

2400 —

2400 —

5 100

$$\begin{array}{r} 400 \\ 2400 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \overline{) 80} \\ 266 \\ 2 \\ \hline 532 \end{array}$$

Dodds Dept 6 months

2 new Meters 2350

4 4152

16" Disc Meters 44 1200

10 " Blanks 25% way 680

Sales Blanks last 6 months

2 new blanks 28711

4 " Recording 37694

Dictating 137170 -

Dis spots	77
Cracks	9
Moisture spots	19
Brown red	19
Rust in wood	1
Dis in plating	7
Broken coating	2
Buckles	18
Scratches	3
Defective	14
Inner margin dents	3
Loose	1
High notes heard, off in pressing	1
Spotted in turning	3
Knocks	1
Repair spot a dent	1
Copper spot	1
Cracked in bath	1
Chips	1
Pin holes	1
Dig	1
Disordered	1

187- \$37,000.

Varnish

967 Resin 33.5 %

195 Penta 6.7 %

39 nafs 1.38 %

80 6/4 2.77 %

1600 Alcohol 55.5 %

2881

Use 1.1 % 6/4 in -

The Resin Penta mix

When Resin is 100 & Penta 20

Use 14.2 % more denatured
al than Resin & Penta mix

Aiken

100 parts of Resin Penta & nap

141.6 al Gelpcot -

~~6.9 6/4~~ - with nap

7.1

44 Ketchikan Renewal \$ 21.50

270 lbs Sell at 8¢ lb

Drum \$10 material on value

Cost 3.36 per Liter ^{Ketchikan} 12¢ lb.
60% gone 1.92 lb.

Grimes, uses in nickel plating
amaster - - - -

Copper uses 3 amp to coat
gold then goes to 10 & high
as 18 -

R29-varnish

Resin - Penta Phen + nap -
4/6 - + alcohol - Used by Arthur
+ Premis -
No more chls nap used -

Utilized - Resin + 4/6 - and free phenol
to which chls. and 2 more 4/6 -
+ Menthonap, - alcohol -

Varnish between transfer
is same as transfer Varnish
with 4/6 - a CC the diff is its
not hardened -

20 cc Aceton 5 cc Benzol
dissolve 88 to 90% of the hard
brillie Petita, cooked at 368 Fahr
+ Sol was fullness,

20 cc Aceton + 5 Benzol takes up
warm abt. 120 Fahr 850 mtg 4/6 -

This is saturated but excess of
finely powdered 4/6 in solution

25 cc Benet alcohol diss 3 grms 4/6
(powdered) in a flask cold - Takes
Course still very slowly

100 cc al 100 cc Aceton
C₆H₆ dissolves about 2 1/2 grms
Penta

15 cc al 5 Aceton + 5 Benzol
left on filter was - 700 mg
undissolved Penta -

15 cc al 10 Benzol
dissolve 96 to 98 4/6 of this
Penta powder -

I find 15 cc al + 10 Benzol alone
dissolves 3 grms 4/6 cold
If warmed slightly will
take up 3 1/2 grms
3/4 is limit at 150 Fahr

$$\begin{array}{r}
 4 \overline{) 45000} \\
 \underline{11240} \\
 33750 \\
 \underline{3375} \\
 38375 \\
 \underline{38375} \\
 0 \\
 \underline{151875} \\
 30375 \\
 \underline{4556125}
 \end{array}$$

22

$$\begin{array}{r}
 16 \\
 400 \overline{) 6400} \\
 \underline{4000} \\
 2400 \\
 \underline{2400} \\
 0
 \end{array}$$

500, 1" $\frac{1}{10}$

$$\frac{1}{1000000}$$

$$\frac{1}{1000000}$$

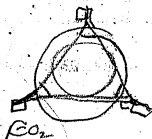
1" 1.4/1000 of lb

700 discs, 62

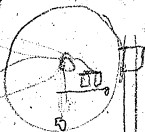
$$\begin{array}{r}
 20 \\
 124 \overline{) 1728} \\
 \underline{1240} \\
 488
 \end{array}$$

7203

C.O.



12-
16
28



32
12
44 320 (73
308
120

3

88

110
80
275 880
8 150
5 50

75-
12
150

25

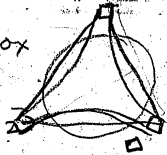
30.5
25
5

1275
900

30 lbs ox

36

3



70

12

30 lbs Char -

446
12

12 lbs Char

162
37 535
235
220
162

162
37
486
486
535

300, 1 hour

30 cups 1 hour 1.4
10

30 amp hour waste
15 amp hour
10 amp hour

Notebook Series -- Pocket Notebooks
Notebook, PN-13-01-04

The two dated entries in this pocket notebook are from December 1912 and January 1913. The book was used by Edison to record ideas about business matters, experiments to be tried, and other tasks to be performed. Many of the items have been crossed out. Included are notes relating to storage batteries and to battery applications such as automobile starters and miner's safety lamps. Also included are entries pertaining to improvements in the kinetophone, phonograph cabinet designs, and experiments with disc records. A series of irregularly numbered experiments, running in reverse order from 474 to 346, appears near the end of the book. The few business-related entries include notes about patents, patent applications, costs, and salaries. Also included is a two-page list of managerial and clerical staff and their salaries, which appears to be a variant version of the list at the end of PN-12-08-06.

Among the numerous Edison employees mentioned in the book are master machinist Robert A. Bachman; H. Grimes of the Disc Record Manufacturing Dept.; Sherwood T. (Sam) Moore, one of Edison's principal assistants in the development of disc records; and Carl H. Wilson, vice president and general manager of Thomas A. Edison, Inc. The flyleaf is inscribed "Final Entry April 28, 1919." The pages are unnumbered. Approximately 160 pages have been used.

PN-13-01-04
E-1710

final Entry
April 28 1919

*2996

See Moore, on Caper - how
made 1000, then strip
black for 2000 not Cashings
Do you want more 3 pag
for finished Records

Give Graf & Cyfuslin
2 1/2 set. Bird records
for Oct 2nd & 3rd 1 AM
Murelania they take the
records with them,

Wilson show I Essex Co
Cloud -

Take up out of Culture (take up)
because no instructions
were sent with them. All things
Goth. 1000s than 2 more
page -

See Nehr ~~about~~ ^{grains}
Lalke ~~Shay~~ ^{port} to
Reserve ~~down~~

See ~~Dada~~ ⁱⁿ ~~re~~ ^{how}
~~down~~ ⁱⁿ

Send Waller ~~to~~ ^{the}
Sample oct. 19 ~~around~~ /
Concl + next act

Moor's Orange ~~that~~ ⁸ moulds
12 - one in 8 ^{with}
proper ~~number~~ ⁱⁿ ~~grains~~
14 moulds ~~give~~ ² ~~pages~~ 375
25 750

Wilson ~~the~~

Get list ~~people~~ ⁱⁿ ~~the~~ ^{the}
+ employees on small PK
+ decide how to ~~show~~ ^{no}
will out

See five ~~hops~~ ^{spare} ~~latter~~
in ~~photo~~ ^{work} ~~that~~
grains ~~can~~ ^{see}

Make ~~inquiries~~ ^{if} ~~any~~
latter ~~like~~ ^{grains} ~~wants~~
are in ~~at~~ ^{ok} ~~anywhere~~

New Dynamic for
plating ~~Sub~~ ⁱⁿ ~~need~~
Blade 6 Volts 2000 Amps

say its ~~balanced~~ ^{for}
to ~~test~~ ^{from} ~~the~~ ^{the}
fact of the ~~machine~~

See ~~W262~~ ^{about}
dutton ~~Comp~~ ^{and}
Lenn ~~man~~

Alvation want a
Bell in Wks 1/42) 7/2

Grimes why do you
make who knows
so thin you are
Running against me
make that thicker

Old Rhythm 2
big pen picked up

Wks. 1/42 To
delivered 1/42 -

Grimes wrong
Lubrication
Crash in war
get a girl

Take a sample
Sub Weater gold
it - plate Copper
then test sheet
Cap on Weater
then weather
on several
40' x 100' high
full process
in 9 all

Find Adams the money under
a contract wherein the building
showing it is put up on
the money, as fact - hallies
advised - we reduce the
advances made from the 10%
advance - should anything
occur to prevent for from
taking the hallies we, sure
pay out the loan from the
money of the hallies

Each Legal Dept
How about that
replan for a record
substance to of 8/10
will - Capital already
that process

Application -

1st before very basic
with new ~~papers~~ changes
for description

2nd Count ~~collected~~
discs, new or used
engines ~~that~~ very concrete
No paper to deal with

3 Repairing ~~Walter~~ should
prints for ~~Walter~~ ~~Walter~~ moved
Rubbing of ~~the~~ ~~the~~ ~~the~~ ~~the~~
spots

4 Fast Cycles for transfer +
printing discs concerning
map of the roses -

5 numbering on edge

6 - What is the ~~the~~ ~~the~~ ~~the~~
of transfer plates

~~Bachman - List of tools
Required, Cranes, all
appliances -
Silver Lake -~~

~~Wilson - Who looks after
the Reservoir Water Dept.
to know if things are
being done right & not too
expensive -~~

~~Bachman - How would
it do to put in shapes. Wells
etc to do tables & frames
in 1st story really
while they are building
balance - & weights
let them go right there~~

~~Bachman why not
try white metal in
place brass hoops~~

~~Cent pump be swaged
by hydraulic Cold.~~

~~Silver Lake take up
& make list of things
required & what it
going -~~

~~Grimes - The birds
are made of the
particle keeping & being
away from surface in
rotating - Cant flow
around & inside enough~~

~~Get from of him old
100 lbs. of good material
100 lbs. required -
& Coated with non solder
Mould -~~

~~Would keep people account
of the addition, & will
turn it over - Expelling
Chapman~~

~~Harry Henderson makes 50
Dental work - stockholder
special meeting - a cat
in, a special arrangement
for life - a cat - a cat
brought - a cat
a cat~~

~~Went Reginald on
Recreation - a cat - a cat
on hand - a cat - a cat
Expenses going on~~

~~ditto Reginald on
House - a cat - a cat~~

~~Hold a change for trip
Edna - a cat - a cat
Kamm - a cat - a cat~~

~~See Bachman in
re fools - a cat - a cat
Cell - a cat - a cat
made outside - a cat - a cat~~

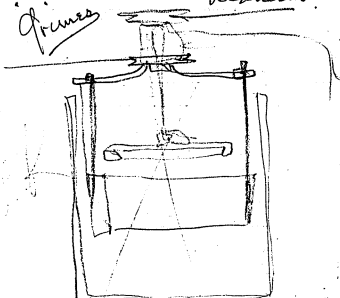
~~Grum - a cat - a cat
a cat - a cat - a cat
a cat - a cat - a cat
a cat - a cat - a cat
a cat - a cat - a cat~~



32 screws

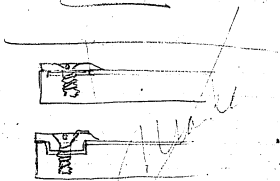
Grimes - moment its covers
 work with very powerful jet
 water $\frac{1}{4}$ dia at low angle to
 work close out, do this
 frequently.

Grimes Wakeone



Grimes - Your idea of
 reversing after covering is
 ok to develop unless stopped
 get rough

Philpat - for internal
 vacuuming - supply coats
 to men -



Hatch, ' Same principle as
 ' Buckman had on grids

by Sebastian call
 look it up

Wilson will recpt
for design

Ship California

Repairs

Wilson ~~lights~~ ⁶⁰⁰⁰
done with drawing 15th
3 Repairs ~~now~~ ^{planned}
to Sunday 8 new
ones

See if ~~Repairs~~ ^{Committed}
pic can be printed
right away

Boxes 60 for ship at
get model to push it,
~~holding~~ ^{holding} ~~holding~~
and official for
England -

Mallory - what has
become of the
Ornamental Concrete
Scheme never heard
of it,

Wilson & Mallory
where is that pure
Limestone from W Va
we are getting almost

~~Wilson - hereafter I
want to give a name
in the kind of *Alcedo*
Cyphodactylus with pink
cut~~

~~Try Eptis with Cowhairs
in front of animal etc to
see what *Alcedo*
will be recognized.
also *Cyphodactylus* -~~

~~Grinn (get 30/1000
Records to test in
new habitat)~~

~~Hadden - The *Alcedo*
sectional horn
cant we get file
wrapper from tools
cleaner than *Alcedo*~~

also search

~~Grinn - grafting a subman
to fill holes up with grafts
or remove or plaster does
oil spots, then gold plate,~~

~~Grinn - Where is
Lucy Anna Low~~

~~Tell Higham see Weather Miller
arrangement,~~

~~Dally - Cord hair screen for
Higham 3x12 -
see if Cow hairs felt, or
get samples -~~

~~Bring up an extra plate so
can play back a Comel
at house~~

4
You will get the Camel hair
then brushes & mount in
Rushes & lay it on gold in
current for 5 min then
put Cement on

Henry L. Ott on handle

See Ward in Re
Peg boxes & stands
for blacking woods
Blue Apron -

My little wood fly's
H2O on one of these
field spots with black
center

Look at phone books
& many Calumet sheets

Steven, Concord will
for get information
about Calumet on loan
& have hereafter weekly
report of Calumet sent
me

See what Dodd doing
on morning

See about Dadd's
Kettle

Pleasant - but a closed
ring to stop sizzle on
Telephone

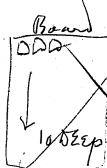
Harry, I had book of
painted records of
let me see the book
you have

~~Start phone recorder on
new mounted tapes.
How about using one for
Jig - puts screws under
get dressing from him~~

~~See floor 2 about records
& shipping - as if
Moor: start new schedule
to get out put -~~

~~Move to try first bushing
grafts and 24 transfer
a test for sample~~

~~See what Robbie Baker
gets out my 7~~



8.10.12

~~Clerks Meeting / bags / yard
123 242 year -~~

~~Niccolai - How about
Philpate / Sueses -~~

~~Tell Wilson~~

for people
5/12

~~123 242 for 6 months~~

~~246.484 - 1 year~~

~~64740, 1st Feb~~

Reichman Rec -
about Baumgartner
for 5000 get man
for Reichman Leung

Suggest Reichman
open 10 days over as
secret notes
on 1/2 basis to get out
secret,

Try 005 which is
not very far
metal Reichman
to back of up -

get Reichman has got a
Chenone Reichman got
during Reichman for
white way

Maxwell - We should 1st
find out who can give us
trouble in a city on film
the then go to them
arrange to show it -
preferably at their house
a get on social side -
at their Reichman
take it up officially

get test phone for Reichman

Rec if Reichman & Jeff Reichman
been published

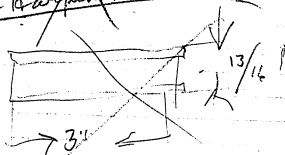


~~best solvent of oil process -
that of which is used in
various - oil process -
if animal oil - Kett 3% then
water or Kett - the
Al or Acids - Even weak
Ray - or even H₂O to neutralize
the other substances -~~

~~1/2 doz. very large
run transfer plates
for green -~~

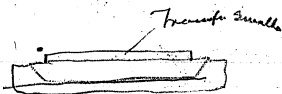
~~Running the
on - Nal. Lead Co
Cups -~~

~~See about Cabinet
Covers - or less machine
in Harper's Place -~~



~~White Pine -
Transfer to it &
print -~~

~~gray -
days - did you get
the Discs for Deepwood~~



write
Hicks to get opinion
of Ct. Court Appeals
in ~~Morse~~ ~~Fisher~~ Case
just decided. These
judges are OK -

~~has done a lot of~~ ~~has done~~
~~but in each~~

New gold plectrum sent
smooth - all of old broken
in alcohol. Also drop in
alcohol.
My account, Ammonia
KOH, etc - & thin plate

Have Kay's bring over
Number book & check
up board -

Mudd Make 2 more
boards. Offer board
& Moulds on hand board

Wilson. What does
McCoy. Detention do
his salary - use
him. Phelps -
See Legal Dept.

~~Bill Eric last Moon
second night when
they come up save
his time~~

~~Simple go/cross to
green & launchman
how set clearways
for turning loads~~

~~McCole/Kenny up
Would track~~

~~Steam plates
Nehr ordered them
Rebunze Brosky~~

~~Mudd Couple windows
from Cases in Lab to
go in partition between
Edging Room & Phelps~~

~~Ordered 1000 1/4 x 100~~

~~W - W - W -~~

~~waited - didn't off -~~

~~100 big Dia 9 Show
plates from Benson
ordered ordered Nov 17
10 1/2 squares - where
are they -~~

~~Luh looks to be that
Rhono wks~~

(35)



or 2
3, powder black, 3 to 1
with metal ballroom
with transfer each
side - 341 & stop
wearing

Learn only
50 10 - 2.9.19
Came from 1.1.19

Reese on X-axis

test 50 deg. frame
on disc

Perfect system of detecting
Bad Moulds

Hurry up New Road plan
system

Order Brushes, Thinner

Order Hand Pallets

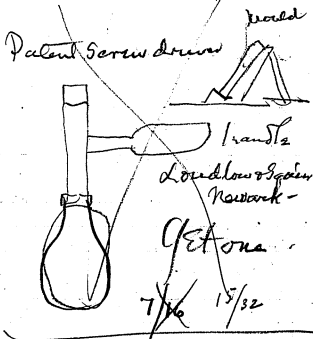
& Castings, which would
ready

Try making 1st heads
to right thick than Copper
using 1st head solution

See if type writer made
that will print

MANDALAY

letters that big - or some other
Machine



Take up doing 7¢
to get margin -

Reese 1st steel seal
Maclean can do 2
per day - the steel
he has now only 1

Old Cabinet for Maers

Smith to bring over
72 Book & start new
one & enter up to date

Smith - How low have
the old cells gone -
Hollands
Be's sure to leave me
100 3 yr old cells
that for 46 have
naturally fallen
below 100 amp or
lower for regeneration
expts -

~~Hulsh wood some like
on mound, white & Red
Can dig there.
200 complete -~~

~~J.P. Thompson
41 Somerset St
Plainfield N.J.~~

~~Rece-Supt - told him about new 45' chow
wants to get it done~~

~~Flows 741 on 1/2 in. of 1000
plastic - print of 5000
pressure - 220~~

~~Burned, Hallam
whats his name
should know a
raise~~

want

25 40

~~Cylinder~~

~~Muscle box nest
Conceded them~~

~~Tell Dally has pulling
Rubber out process is
Rattley~~

~~Rece - put 6 holes in
new plate to get ring
off instead of 3~~

~~Rece -~~

~~New
month~~

~~Nest~~

Patent brushes Brown
Control & back on plates
Electrical Storage battery
see if possible. Men can
license for discs.

Look for photo to
press head and around
new plate.

Try to get 11 photos in
new brush taking

Try Submarine Medicine
bath with fresh
same the old is now
transfer to the bath.

See about thin transfer
of ground part it is

See about new bath
face submarine transfer
heavy it up -

Get letter from the old
about Toys & for
Pullman transfer

See Hays about new
27 US photo.

Heavy up balance
tuning tuner -

Make a Rubbers Ring in
Steel to pour K Oils
Mould to put Condensers

Phosphate why not put in
blackening medium wheel
is only plastering cans
quality change

~~Hutelo~~ Dry East just casing
Copper, Mmmmm almost to Little
Mmmmm than Nickel times the
usual amount of the Copper

See Moore about operations
with pins in ~~iron~~ of OK
Tell Wilson go ahead -

~~Nickelizing~~ (I heard)
7/10 lbs comparison
42 comp mmms

~~Philpot Picture~~

~~Hutelo~~ ~~Important~~ kept
200ft along around
Corner in Lab.

Wilson - While we are at
it why not take up Kineophon
- Nickas Cammies,
taller planes

Walter Note good plans
in 922-1 - Di Barry
why Cant all plans
be as good as this -
No blabbing next voice
loud - good records
us

Power job so far
Cost \$14,000 - ? Dec 24 1912

Look up books/where
made shelves with chemicals
that were like head at
ord. my ~~temperature~~
flow over submerses +
press Col. for submerses
of gel plates

Look up the opera
I had planned by
Vocalist ^{operatic} ~~summit~~
Vocalist ~~of the artist~~
and on song book

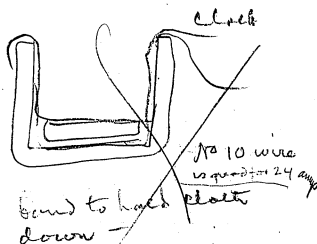
Daily ~~notes~~ ~~of~~
Subellies ~~of~~ ~~the~~ ~~muscle~~
Same ~~velocity~~ ~~as~~
341 ~~various~~ ~~flow~~ ~~then~~
on ~~transfers~~ ~~of~~ ~~the~~
try,

When Kuhnoff section
get timing from Hirsch +
have him make trip -
turn over models to
Bachman ~~goes~~ 3 weeks
these ~~releases~~ ~~of~~ ~~the~~ ~~head~~
of Chem/lokes

Note of Opera played to me on piano
+ violin - make pet pour
for Violin Cells for Harp -
of them -

Wilson - We must make good
on 450 Cabaret at ~~the~~ ~~corridor~~
build special one - also
make no more ~~with~~ ~~hand~~
by Clockwork -

Wilson and ~~up~~ ~~to~~ ~~have~~
oil tubes put on all
these ~~elements~~



Get 2 doz 341 transformers
or panels with
Rouge
Paint on ~~wood~~
wood for match

Golden = Use to pay 1/2
of uniform expenses
with Bakelite -
HQA

Mason only 1 Car
Came CP Limestone -
Want 2 better ones
3 more

Wilson + How about
Chris who says who
has change -

Wilson about getting a
man like Thompson of
Storage out to travel
Continued among the
Pic house + under house
agreed -

Take out some patials on
small green truck
like Motor patients.

Wilson - Why Cant we
arrange with
Murdock to get him
new & look them
ourselves, we pay
1/3 when 2/3 they
he would have good
ones - see we can
be paid for -

Durand Cant you work
up a trade in Bog shoes
Motors in Supply boxes -
for all kinds of goods
high list & big off

~~Prison use new clamp
moulds as fast as they
come in - needed 600 lbs~~

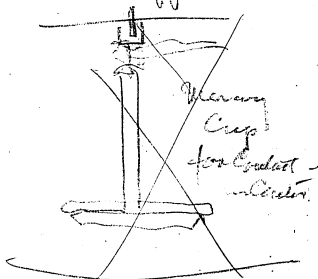
~~After Jan 1st pay Ford
alt for his over time
same rate as day~~

Bones - Kallahan Monrovia

Machung Watson to
work the new machine
Line shuffling etc
ready -

5 more Rubber rings
for ROK for Moore

Wilson -
Night Inspector
Philpot dept -
Under officer



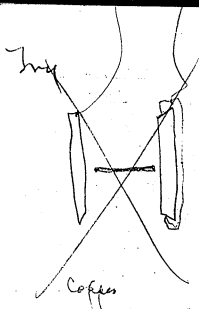
Harry Miller
Cut Wab. off Bailey
Pay Roll

Stevens -
How about Kephers in
Amelation Cellium
New disc also Records
is it advisable to
View of Palm & Lumbard

Put one man on taking out
Victor type of patents on
Kinchophone

Get ready for a specially good
Small Machine for projecting
Homek films for 5c theatres
when Smith goes against us -

See that night in legal
dept about Victor
patents he started on

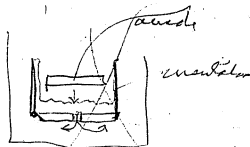


also long with so much
2 ft away

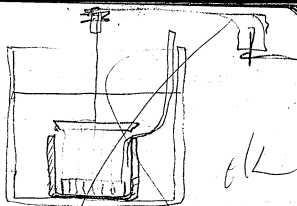
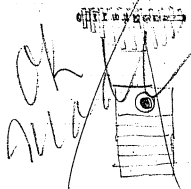
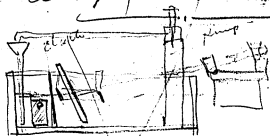
after 12 hours
take out & use
specially made
of brass - stops
Roughness

Lower cell - plates Cu
just enough to cover
then nickel till it peels
also alone (10 N. 2 N. 5
see if Cu has no fumes
peeling - Petrol around
Edges - so easily peel -

Lower cell put up table
so I can use kettle
Ni. Dissolve Cu & Al
& fresh for every depositing
most use Carbon



House Valt Key Motor
 Silver Room (Big plane)
 Silver Room branches on
 steel logs -
 Arriving on Centers,



Daily - find unaltered
 permanent places
 Clean all around
 Recruit ground
 with room -

Whoever see about
 Sunday along
 Valt, who was on
 investigate

~~Wilson - take up Wfs
of N 2 & very safe.
Reproducers~~

~~Grains 24 hours
Bowl balance
in Rep. relations
Jan~~

~~Harper design cheap Gen
Mend box clockwork~~

~~Harper - Hurry
delivery of 2009
150 clocks with
new casing in
when it's OK~~

~~Dry Benzal for solvent
for use at Reps~~


~~Melt some \$50f -~~

~~Fix Rumbling in
new Disc~~

~~Patent.~~



~~Several letters over
Lamp area
also in padded stage~~

~~packed in  and sent~~

Patent right for
synchronizing

Patent amplifying

" Stronger groups

Connors -

ditto, air phone

Combs -

apply to disc & patent

Patent war of telephone
for extension -

Patent Two human tools
releasing as is written
how fast turn pictures
for phone work would
let it go faster &
be a great
a circuit

Not
known

Pair of every second
for circulation

a sequence

also new Records for Home of the Future

Wilson - I expect man to
go over what factory
to watch for a
suggested savings -

Badman - New elec
equipment for extension

Vermont - for water
reservoirs

Wilson - Walter (aka) will
without making sport
& money - Walter killed
(61)

Have on
Creme Bell -

Wilson - Walter Vickers
on Philippat & Wilson
debt possibly losing
1000 plus and more by
being passing like
Philippat covering 1500
HP claim by wife passing

Expt 1st print & time on
sub-machine, Sawyer & Co
then print the time upon
warrant, the way of saving all
defect, coming out on
1st print.

Stevens - Collect at
once papers & bills
My papers & mail
Cards & also papers
to jury - Australia
5 official men at
Bull & Chum near
Crown

Hutch How about
Stanley on the Hudson &
Buick -

Tell Wicks to tell Reno
not to be particular about
400 5,000 my Wilson...

Wilson - adaptability of
Expenditure 25% of profits of
Diz phone in the evening
Columbus

Try following

Jan 4 1913

1 ~~Run Cylinders Cellulose
and transfer paper
ditto over negative provides blank -
ditto Ivory Celluloid which is zinc plated~~

2 ~~Open transfer press board
brushed blank in it -
then print the proper record
on it~~

3 ~~Special Run of an over &
carry backing of transfer Varnish
to equal 128 lbs clean
pressure 12 hours run -
then transfer & print~~

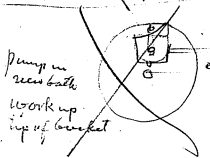
4 ~~Write pat for single heliophor
around an over & taking
picture~~

5 ~~Varnish to be about
American wells -
buy on local water~~

6 ~~Give list of materials
long to H. C. -~~

7 ~~Try again Kott on surface of
a No. 1 var & 341 & blank
to see if unequal~~

8 ~~Open to get plate white
water & cover with Cu
20 min then try new
Ephs 2 1/2 oz wet~~




~~Moors - buy up 2 or 3
transfer Varnish plates to
100 lbs already heat for
10 min see what they do~~

hurry up big trump
plates wants 80
More make 250

Wilson
Amberala C. bands
Grand Amberala des

Rico - on Vic Tenor
I passed him OK -
listen -

 Bridge
see abt it

Patent the vacuum
padded for near 20 hrs

Make mix of 50% Cu OH &
50 N₂O 1/2 dry & moist
very fine, include in it
from the same chemicals
but Cu then press plate on
recorder,

Wilson from about
Vermont - Water Eng

60% 5 dm 40% lampblack
mixed, reduced ft. &
pressed to fine ball

Wilson / Out of print
Public & am
power

Call Big Phon
Dictator Edison Dictator
Dictator + Teledictor

Phonodictor
Call Disc Phon
Phonola Phon

Phonol of disc
Conditograph

Carbodictor Stentor Phonola
Dictola

See word Dict

Phonics 2
lowest so it starts from
center as well

Orchestra
African
Solopiano

Harmonola

Melodophone

Appo Apollino Greek

Combining the results of
several musical instruments

Concerto

Concertola Concerto

Concertolo

Canato Cantalola

Autophone

Pandola

Cremola

Belcanto Belcantola

Canola

Cantor Canto

Canzonello

Chantor Grand Chantor

Choraleon

Concertino

Componenza

Polcerana (2nd form)

Opola

Now
Grun - do you take
off Kuch ~~or~~ plated ~~Neen~~

Learn Oll - Reg up
a jar for ~~from~~ plating
at ~~our~~ other (place) ~~see~~ it
to ~~Cooper~~ want acc of
Can get ~~and~~ ~~substance~~
Thus ~~deposited~~ ~~for~~ ~~thin~~ -
suck to ~~Can~~ - ~~plate~~ No
120 ~~amp~~ ~~minutes~~ ~~there~~
Can ~~acc~~ of ~~it~~ ~~will~~
strip +

Put in ~~the~~ ~~Chambers~~ by
later ~~4~~ ~~amp~~ ~~in~~ ~~part~~ ~~of~~
also ~~a~~ ~~metal~~ ~~strip~~
~~Recessing~~

also by ~~Wick~~ ~~oil~~ &
Cook ~~in~~ ~~the~~ ~~plating~~ of
Recessing (12) still
enough to prevent ~~yellow~~ ~~in~~

~~Back~~ ~~Lead~~ ~~Cole~~
Grun ~~Lead~~ ~~Cole~~
~~Henry~~

~~Grun~~ ~~Lead~~ ~~Electron~~
+ ~~Dynamo~~ ~~man~~
~~Wilton~~ ~~man~~ ~~now~~
~~turned up~~

Moore but 2 ~~Victrol~~ ~~all~~ ~~together~~
spend at 5 lbs ~~pressure~~

Varnish ~~putting~~ over a
submerged ~~clean~~ ~~20/100~~
Print Cold & gold plate

Make some ~~in~~ ~~effort~~ ~~varnish~~
with $\frac{1}{2}$ ~~Pinacol~~ ~~344~~ ~~20/100~~ ~~1/2~~
gum ~~Kaw~~ ~~resin~~ ~~and~~
double the ~~off~~

GREAT

Wood oil polymerizes at 280 Cent
to hard elastic material, makes
some transfers on gum plates
polymerizes & then try
transferring it does it in
10 min - Perhaps will do it
locally some of given time
Costs 7 1/2 to 8¢ lb -
could probably mix some,

Perilla oil also polymerizes

See if they make a point
for darker every day

Low Oil make a point
from McAlister point
West Combustion
Using 1/8" Orinoid has
try it on white wax
& plate top on it

Sonata Sonatola
Harmonola
Inspiration Imperatola
Impressio
Legatola.
Canto phone
Liederphone
Lyrophone
Lyrograph
Maestrata
Mignon
Muesola
Pandola
Orcheston
Sonata
Sonophone
Toubadour

Symphonola

Tondola

Virtuosa

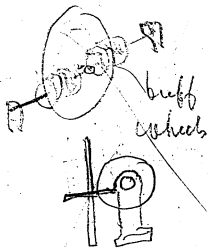
If we have no Chinese
wood oil and gel
3 gal best Danbross
Gillespie show my
E Will find my

W. S. Hallman & Co.
New York

505

Yard all, Buff & Green
 rough with rough
 a 9.0 mm. to
 the least a tool
 in the time

Free
 Go down to Buff
 Dept. w. l. l.
 Council rough records



fix up the grafting machine
 & get no. 1000 - then
 gold plate
 use instead of brush
 section or other very fine
 blast hair skin -

Quinn Merabe sub
 revision of the 2
 Band Records

A all found high up
 softener wheel is solid
 also very viscous liquid
 No other tension
 Non Valuable To
 keep in 344 or 1001 V. m.

Put gold plated ant. needles
in 10% H_2SO_4 distilled water
& soak it with Hydrogen
then transfer to R. Bay
bath & coat —

Rees a mix. of fine
grafite & graphite in
Sch. oil at elevated
temp. powder on Cu plate
& put in H_2SO_4 & coat
H. of plates —

Gr. mix. coat to wash
transfers —

Auto magnetic
Grip to open cell
when plates
plating ~~is over~~ ^{is over}

Get some pure Graphite
grafite & see how pure
if impure purify it for
Diss.

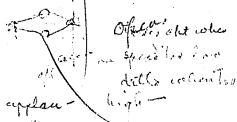
Durand & Traveller
to introduce rectifier
in addition to advertising
advocability of 2% on
influenza sales all the
standard info —

Center Bank for new
Monetary notes

1000
BISMUTH NI ~~for~~
MINERS Lamp -
Get a B.M. Lamp organ. &
a Miner for the Lamp

Use a car in automobile
and running some in Bismuth
appear to be different

Use of legal Dept. has the



In switch appear -
standing "

Denap man - bundle
Keep his ~~quid~~
200 ~~get~~ ~~quid~~ ~~quid~~
200 ~~how~~ ~~quid~~
\$8 day

Order 3 ~~more~~ ~~dis~~
~~Uccor~~ ~~dis~~

New ~~quid~~ /

- 5 + 10% Gilsonite
- 5 + 10% ~~quid~~ asphalt
- 5 + 10% ~~quid~~ asphalt
- 5 + 10% Rosolic acid
- 5 + 10% Damar
- 5 + 10% ~~quid~~ Master

Paralite Sternum Patch
Eugene Rain - Damar

Continued

For new Varnish Expt

Dehydrated Kanol
See if Zangher's Copal sol in
alcohol

Look at DeWitt Chemicals
~~new Copal~~ - alcohol
1/2 doz. 1/2 doz. 1/2 doz.

Boric acid sol in alcohol heated

Succinic
Tannic

Elemental alcohol, hard Zinc Alk. 11/2
Resinates " " " "

Get a German transfer
plate & dissolve the
Varnish in 1/2 4
precipitate by HCl -
see if it precipitates
Condensate

Witcher Series on small
film boxes so light can't
get off go down over
how they are generally

Dry solubility by combining
with an acid

Dry 3/44 with 9/10 9/10 7/10
6/10 1/2 4/10 3/10 2/10 of
the 6/4 exactly same.

Dry Trioxymethylene Gwa
has come to the Odele
Nty continues to form 6/4
combines to other alkali
organic & inorganic

Dry 3/44 with 2 5 10 4
20% water -

~~Paraformaldehyde diss in
lime or Bingham water -
Evidently it will go into
Alkaline Alcohol -~~

~~Thioformaldehyde giving H₂S
then "~~

~~Methylene acetate given
with acids when heated
formaldehyde -~~

~~dist. Methylal - later
found probably in Resin
will be strong impurities
lost~~

~~Methylene acetate
from other Phenol is
Resin -~~

~~Woods Change Transfer
Schedule 12 Transfer
hold heat a press
10% 20 50 & 100%
longer - ~~the~~ of row
outs on a second.~~

~~Hoffman 344 mixed
twice as long & filtered
then 3 times -~~

~~Double Row
3600 Appl time -
also 4500 -
244 - 5000 -~~

~~Good Wood pulp~~

Quodwen ~~with~~ 15
men out ~~with~~ 20 four
reports

Moore, gives over ~~to~~
2 girls, to rough test &
she goes over only reports.

Christmas-powders &
Coil Asphalt like
Subsiding on 10% NaOH
& Ethanol & precipitate
get Confirmed acids
see voling they are like
see if Confirmed acids

Lithium Chloride
in alcohol

Dry amine Res.

Saccharate Lime washed

Dry slaked lime in Resins
to Harder & raise
softening point

Anthracene

Negrosin, oil Sol-

amine

Very Benzaldehyde & other
in factually in fact and
see if they are same

in factually in fact and

~~Carbonate~~ 213
~~Carbonate~~ 235

~~Carbonate~~
~~Carbonate~~ MP 125

~~Carbonate~~ MP 235 C
~~Carbonate~~
~~Carbonate~~
~~Carbonate~~

~~Carbonate~~ - ~~Carbonate~~ to Clean
~~Carbonate~~ ~~Carbonate~~ of
~~Carbonate~~ ~~Carbonate~~
~~Carbonate~~ is ~~Carbonate~~

~~Turned~~ ~~Carbonate~~ ~~Carbonate~~

~~Chip out~~ ~~Carbonate~~ ~~Carbonate~~
~~Carbonate~~ - ~~Carbonate~~

~~See alt Phil~~ ~~Carbonate~~ ~~Carbonate~~ ~~Carbonate~~
~~away~~

~~Carbonate~~ - ~~Carbonate~~
~~Carbonate~~ ~~Carbonate~~ ~~Carbonate~~ ~~Carbonate~~
~~Carbonate~~ ~~Carbonate~~ ~~Carbonate~~
~~Carbonate~~ ~~Carbonate~~ ~~Carbonate~~

~~Carbonate~~ - ~~Carbonate~~
~~Carbonate~~ ~~Carbonate~~ ~~Carbonate~~
~~Carbonate~~ to make a
~~Carbonate~~ ~~Carbonate~~

~~See about filling a~~
~~line from~~ ~~Carbonate~~ ~~Carbonate~~
~~to filling~~ ~~Carbonate~~ ~~Carbonate~~
~~Carbonate~~ - ~~Carbonate~~

MacDermid - ~~Beil profile~~
with Silver ~~Silver~~ ~~redness~~
it on surface ~~for~~ ~~less~~

March - ~~Deponer~~ ~~Leurochone~~
are ~~Alkydies~~ ~~Carbonyl~~ ~~rat~~
would act as sub for ~~64~~
but almost

Tung oil ~~poly~~ ~~poly~~ ~~poly~~
good in ~~insulation~~ ~~try~~

Grillage ~~and~~ ~~dehydrate~~
try above ~~insulation~~ ~~try~~
also with ~~other~~ ~~thermo~~
using it as ~~sub~~

Finds ~~substance~~ ~~that~~ ~~will~~
dehydrate ~~substance~~ ~~in~~
transfer ~~dehydrate~~

Smith - ~~100~~ ~~do~~ ~~you~~
let Reg ~~72~~ ~~ph~~ ~~go~~ ~~down~~
at 1600 ~~without~~ ~~calling~~
my attention ~~to~~ ~~how~~

Neh - ~~some~~ ~~up~~ ~~+~~
accept ~~diagram~~ ~~holder~~

~~Take up~~ ~~with~~
~~but~~ ~~double~~
~~diagram~~ ~~stop~~
~~making~~ ~~Explosions~~

~~L O.C. - Expt 5 - at profile
Gold, silver -
Hydrogen sulphide, H₂S - Zn
Set with all from, used
on Lead material with
Silica~~

~~200 cc of sol of Nitrate by
put in 250 cc
glucose, 200 10% KOH
at 44 N.H. / C.C. clear.
take NO₂ to -~~

~~See Dodd get formula
of black wax & see if
cant get it so not
affc. & d. by moisture~~
I try experiment to get rid
of soaps both in black
& white wax as they
cause moisture

~~Try 40% formaldehyde in
water with Ammonia - or
Ammonia hydrochloride~~

~~Get some of wax Moore
uses for wax sublimation
test it against our
Experiment at N.Y. Co.
Bureau it~~

~~Why not exhaust
Steam - some filed for
or dissolve into
heating system~~

~~Supply Critical -~~

Get Chief Eng. ~~McVane~~
D. Stahl - ~~Adm. International~~
~~Assurance Corp. - Montreal~~

Try Reg. Paula Vermorel
5 1/2 wt of Var. ~~compensation to~~
~~fine grade - Cont. & shoring~~
~~dry clay -~~

Kammerhoff - Good P.L.T.
twice as deep.
pull out in ~~excavation platform~~
Double purifiers, ~~blow to from~~
the 14 in addition,
Iron plant, separator, 100
ft. ~~min. air, & Self-heating & clamping~~
150 ft. away

Find Contracting Engineer
for acid towers, silos, etc.

Get Chem. - Specs. of
Research Corp. for wall
acid furnace, Cond. by
Elec.

~~Reclaiming~~ about 11.00
10% ~~mining~~ battery -

Get a small paddle mixer or
Egg scales & mix with Edman
blat. van - Various
portulaca & cast, use a blacking
ant - ~~lampblack, dried~~
Clay, or Carbamate ppt. Chalk
Amorphous ~~traps~~
& Cast on Record

40% under micro
Make good mixtures
but 2 hrs. desec at end

Test all the deposits yet in
good black for ~~cray~~ carbon
including Royalio Shale & Carbon

~~Send for some high
grade Chlorophyll graphite~~

Try lowest Lamp Reg
wax & my latest will
pour practically & keep
would save a few dig
halls & beams found
Micro

Start making NO 2 & 3
Repder,

4 of them - ~~5~~ discs
10 of fine graphite

20

5 of graphite 10 of 20
Carbon

ditto 5 1/2 discs
5 10 15 20 1/2
Lamp glass -

Try desalting GuttaP
in very viscous solution
pour over metal &
press caldo warm

also powder amorph
graphite with slight
amount of moist
Cerum I & salvint
also dry - fills
fine graf - press

3 more Micro discs

~~Bushy~~
Use with ~~help~~
use out 3 ~~weeks~~
30 AP —

~~Wilson Salt Lake~~
~~Letter, 6 and 8 to 10 gms~~
~~Phosphoric acid~~

~~Nicosh - 8 to 10 gms~~
~~plates for 10 gms~~

lay old wax spread
on mould + heat up
till surface melted

pour $\frac{1}{2}$ of wax then
put in a C. & L. dish
then $\frac{1}{2}$ —

Tin in ~~Copper~~ bath slope
it from being warty & brittle
makes it smooth —

~~Grafs~~ in ~~top~~ sub will
set up & sticking to
Mould

Moulding Comp for
electrotype

85% Red wax yellow strained
10% Grease, Virgin
Thompson's 5% grafs
3% Burgundy black is added
in warm water to
keep it from getting too
soft —

Hydroxylamine, ^{Urea does same thing}
added to ~~the~~ ^{the} ~~the~~ ^{the}
sol make it brighter
or ~~the~~ ^{the} ~~the~~ ^{the}

~~the~~ ^{the} ~~the~~ ^{the}
~~the~~ ^{the} ~~the~~ ^{the}

Aluminum gives brighter +
more reliable deposit
when manipulated with
Urea ~~the~~ ^{the} ~~the~~ ^{the}

R. Examine of the glass the
most ~~the~~ ^{the} ~~the~~ ^{the}
top of which solution
if it does attack ~~the~~ ^{the} ~~the~~ ^{the}
try ~~the~~ ^{the} ~~the~~ ^{the}
way ~~the~~ ^{the} ~~the~~ ^{the}

Try ~~the~~ ^{the} ~~the~~ ^{the}
the ~~the~~ ^{the} ~~the~~ ^{the}
from ~~the~~ ^{the} ~~the~~ ^{the}

It is these would do that
probably ~~the~~ ^{the} ~~the~~ ^{the}
+ the ~~the~~ ^{the} ~~the~~ ^{the}
will ~~the~~ ^{the} ~~the~~ ^{the}

Try ~~the~~ ^{the} ~~the~~ ^{the}
Rubber ~~the~~ ^{the} ~~the~~ ^{the}
2 or 3 ~~the~~ ^{the} ~~the~~ ^{the}
it ~~the~~ ^{the} ~~the~~ ^{the}
substance ~~the~~ ^{the} ~~the~~ ^{the}

Tell ~~the~~ ^{the} ~~the~~ ^{the} about calling
due to something on
surface of ~~the~~ ^{the} ~~the~~ ^{the}
possibly ~~the~~ ^{the} ~~the~~ ^{the}
or ~~the~~ ^{the} ~~the~~ ^{the}
with ~~the~~ ^{the} ~~the~~ ^{the}
it ~~the~~ ^{the} ~~the~~ ^{the}
the ~~the~~ ^{the} ~~the~~ ^{the}

Try Reg Var in Chem Room with
late ~~the~~ ^{the} ~~the~~ ^{the}
where in ~~the~~ ^{the} ~~the~~ ^{the}
it ~~the~~ ^{the} ~~the~~ ^{the}

~~Edgar Elec 58 80% - failure to
ykt get Russian Battery -
Don't answer Correspond or
7.0% any 2.0% failure -
Foreign source Russian
Govt info -~~

Try in Kermel all the
Oxides & salts of
Cadmium or Barium salts
Waste Specimen Chemical

~~Hoffman - Dip Acetamide
the others good with
20% more 6/4 in 7.0%.~~

Try Chloride of Antine

Try Copper with
plates instead of Silver

Memorandum to govt. Daily
Reports of progress
+ description
Plates Transfer
Moulds
Moulds 100%
Records description
More about down stain
+ more to stock -

Drafting to trace
Steam pipes + part 20
drawing

474 12 Dec 80K 4 Discharge
1 didn't flow smoothly, cracked
2 peeled, looks good, free
release good exposure

Transfer 80K 4 Discharge (Charged)
Plates OK

Even looks very good 80K
1111 OK can't hear engine. But OK
not quite as good as 475 but nearly

Grapple

476 - 12 Discs 8 OK 4 Discards
(reclad) OKs good. fine surface
4 chicks (discards, dark
green color - Transf. fine
6 OK 1 2nd small crack
5 discards ~~to~~ pull out -
~~discards~~ - look good. fine
Plates fine bubbles on all
24 - 5 Records 4 OK velvet
1 very slight Run out

475 12 Discs 8 OK 4 Discards
1 reclad, 3 Van pick up. Wks fair
Cracks mostly free release
Dark green color
Transf. - 7 OK 5 Discards
Over look very good
Plates all OK -
1111 OK Pant heat any surface
1 just hear family a surface

Finest yet.

2 Subsequent Discs acc.
sand cut some

455 - 12 Discs 9 OK

~~1 2nd (air up) 2 Discards
~~discards~~ Cracks
OKs good good surface
Smoky coating free release
Transf. OK 9 2nd (air out)
Discards 2 Cracked
Over fair - air bubbles
Plates some bubbles on all 24
Discards 6 Cracked
1111 OK Velvet very fine surface
all ticks - Alkali~~

477 - 12 Discs 5 OK 3 2nd
Cracked 4 Discards, pedic Cracks
Wants poor, Cracks & early - Transf.
acum thin - OK 6, 2nd 2 life pull out
Discards Cracked off
Over looks very good
Plates - free bubbles on all 24
fairly smooth, only
tacked 1 Record had RO
1111 OK Pant heat any surface
~~1 just hear family a surface~~

457-8 Discs 4 OK 1^{2nd} air spot
3 Discards 1 peeled 2 cracked
free release also good.
Var cracks when slanted
for feed leaves

Not tested

458-11 Discs 8 OK Discards,
3 (Cracks) looks good for
surface - free release
Surface cracked slightly -
Transfer 7 OK 2nd very small
Cracks Discards 3 pull out
Oven looks for 2 air blisters
plate is - Very fine small bubbles
Dis 6 - Cracked -

|||| OK worst Very good

457-12- OK 5 2nd 1 (Cracks)
Discards 6 2 Cracks 3 peeled
1 peel up looks good free release
Rustling Coating Transfer 3 OK
7 Discards Cracked 2 into 2
air bubbles Not tested

468-12 1 OK 2 2nd
9 Discards (5 peeled 3 cracked)
works very good, slip to plate
Transfer 3 OK 9 Discards
Oven looks very good,
Oven some bubbles - all 24

Not tested -

460-12 Discs 9 OK 1 2nd Cracked
1 Discard - Var had some faint
air spots & light spider web
Cracks - looks very good
air spots show faintly
free release - Transfer 8 OK
Reheated 4 Discards 3 Cracked
10 - very big air bubbles
near edge -
Plates 13 with bubbles
24 put thru press - Discards
6 - bubbles
|||| Run out ship.
1 OK

470-12 Disc OK 3 2nd 3 (2 Cracked
pick up)
6 Discards (peeled, checked, no fcs)
Wkly Very poor, poor, lowing
Shocks to plates. Thick smelly surface.
Transfer to 3 Discards 9
Oven looks very good
21 plates cracked & bubbled
9 plates not cracked
Not tested

469-12 - 3 OK 5 2nd (2 Cracked
2 checked
1 checked)
Discards 4 Cracked Wks poor
Stix to plate Cracks easily & suddenly
Transfer 3 OK 2nd 3 pull out.
Discards 6 - Oven looks very
good plates few bubbles on all
24 - Not tested

459 -

473-12 Disc 7 OK 2 2nd
3 Discards (2 peeled 1 cracked)
Wks good flows well (see release)
III OK - Velvet very fine -
Transfer OK 4 - 2 2nd
Cracked - Discards 6 -
Oven looks very good
Plates OK -

478-12 Discs 10 OK 1 2nd (see spot)
1 Discard (small bubble)
Wkly very good 3 Sticks to
plate forced off but OK
Transfer OK 10 Discards 2
Cracked Oven looks very
good Plates 24 OK
5 Records
III OK very velvet
1 Very slight R/O on about release after dust
1 Run out -

485	Chrysoidine	20 1/2 % Sol	
486	Quin Damme	3% 80% Sol.	
487	"	8% 63 1/2 % Sol	
488	"	12 53 1/2 % Sol	
489	Salicylic acid	3%	
490	Salicylic "	8%	
491	"	12%	
492	Phthalic acid	3%	
493	"	8 1/4 %	
494	"	12%	
495	"	2%	
496	Aniline oil	4%	
497	"	6%	
498	Acetanilid	3%	
499	"	5 1/4 %	
500	"	8 1/2 %	
501	"	12 1/2 %	
502	Acid green GCX	3% 80% Sol	
503	"	8% 12.6 "	
504	Alkali Blue BR	3%	
505	"	8%	

452 - 12 Discards
4 OK 2 2nds 6 Discards
not tested nq

451 - 12 Discards
6 OK 2 2nds 4 Discards
nq not tested

467 12 Discards 3 OK 9 Discards
wks very poor 5 stuck to
plate - 1 very much peeled off -
not tested

466 12 Discards 4 OK 8 Discards
5 var peeled 2 cracked

This var looks good although
5 plates cracked due to
local corrosion in transpary
good appearance & performance
5 stuck to plate - all forced
off - some discards
not tested

444 - 12 Trans 9 OK 2 2nds 1 Discard
1 Discard (cracked)
Wks good 1 stuck to plate
discards

Oven - very good
Transfer OK 6 2nds 1 cracked
1 scratch 4 Discards -

11 OK var
1 very slight run and
1 OK fairly velvet

448 - 12 Discards 4 OK 5 -
1 2nd - 6 discards

nq not tested

449 - 12 Discards 4 OK
3 2nds - 5 Discards
nq not tested

450 - 12 Discards 6 OK
1 2nd - 5 Discards
nq not tested

446 - 12 Trans 8 OK 4 Discards
3 Cracks, 1 air bubble -
lots good and some air pockets
but show very little after
transfer - fine texture

Transfer blanks OK 6
Discards 4 - air bubbles
raised on surface - 1 2nd
1 pull out Over - looks good
plates small air bubbles in
all 24 plates piece discards
5 Cracked Discards 1
4 OK very velvet Best surface ever
1 slight run out - little crawling

447 - 12 Trans 8 OK 2 2nd as aparts
2 Discards, Var cracked, some Cracks
lots cold - some air spots
free seal case
Transfer blanks 4 OK
Discards 5 Cracked
3 bubbles Over looks
fair few air bubbles
1 Run out 1 OK not velvet
2 OK fairly velvet

445 - 12 Trans
8 OK 1 2nd (air bubbles)
Discards 3 - 2 Var Cracked
1 air bubble - good seal case
some air pockets in some
glass after transfer
Transfer blanks 8 OK
3 Discards Cracked
1 2nd small Crack
Over - looks very good
plates - very small bubbles
on all 24 plates
1 OK
1 OK velvet
1 moderate Run out

440 - 12 Train 10 OK 1 2nd

1 Discard, Cracked surface
Wks very good. No dust appearance
free release, Van had a number
few bubbles, these show
clearly -

Transfer 11 no air bubbles

Discards cracked 3 -

1 RO - cuts before finger marks

1 OK velvet

11 RO dust cut

1 single RO -

433 - 12 Train

4 OK 1 2nd Cracks

7 Discards (2 cracked 5 pebbles)

5 release plates, forced off -
all discarded

Next weekend

437 - 12 Train 8 OK 1 2nd cond

3 Discards - (1 checks 1 pebb 1 air sp)

free release wks of 2

Plates, load with bubbles

Discards containing 6 -

Transfer covered with air bubbles

6 - Discards are broken out 6

5 Recs 1 Shift RO surface

1 " Velvet "

2 OK velvet dust cut

1 OK cuts little -

Think all due to dust & thin
marks 1/2 dust 1/2 condensation
to the next evening. Example to
glance previous -

439- 12 Truss 11 OK 1 Discard
fair piece - Excellent scales
good fine black surface free
discards good - 1 -
5 Rec 3 Shaggy Run out not velvet
2 OK - fairly velvet.
Translucent scales (6 OK)
1 Early boy 5 Cracks
Plate 5 Discards bubbles

442- 12 Truss 7 OK 2 2nd Cracks
3 Discards Cracked & scaled around
Ends - Very fairly good except for
Cracks -
Translucent OK 2 Discards 10 Cracks
2 Records OK velvet

414- Van all ~~complicated up~~
~~net~~

388 all ~~cracked on plates~~
~~net~~

438- 12 Truss
9 OK 1 2nd light Cracks
2 Discards 1 Cracks scaled
Velvet Very good free scales
Translucent
OK 8 - 2nd small spot
Discards 3 Cracks
Plate 12 are bubbles -
Discards bubbles 5
Open plate good -
5 Records 3 faint run out Cracks
1 Very faint Run out Velvet
1 Run out -

434 - ~~plated all varnish~~
~~Cracked in 100 pieces~~
~~NG~~

444 - ~~plated all varnish~~
~~all cracked up~~
~~NG~~

430 Varnish ~~Cracked~~
~~up~~
~~NG~~

435 - all ~~crd up~~
~~possible temp wrong~~
~~in oven he mont up it~~
~~Cracked all from NG anyway~~

430 Varnish ~~plates all~~
~~Cracked up~~
~~NG~~

429 - 12 Tras
OK 3 ~~2nd~~ 1 Discard
8 - ~~NG~~

432 12 Tras
6 OK 6 Discard
Varnish don't flow smooth
1 Cracked 3 Varn peeled off
free surface only
fair ~~NG~~

436 - 12 Tras
10 OK 2 into no disc
lots fine good surface free
several few air spots
Transfer 6 OK 2 into no disc
spots 3 Discards present
3
Oven looks very good 1 RD
11 OK 1 Small RD CRD

Vertical surface

421 - 24 plates 12 Traces

9 OK 2nd 2 Van Cragg
1 Discards "

(Cdn well - surfaces slightly
scurry free release A1)

3 OK - identical (Kiss) run with
very black shiny surface

408 24 plates 12 Traces OK 3

2nd 1 - Discards 8 - 6 pick
up 1 Van Cragg 2 Van peeled off
did not test NG

406 24 plates 12 Traces

OK 8 2nd 1 Discards 3

1 peeled 1 old 1 checked

free release

Transfer blank of OK 1

Discards 4 cracked 1

5 Discards 1 OK 4 very

slight run well good surfaces
very dry -

427 - 24 plates 12 Traces

OK 6 2nd 1 Discards 5
pick up -

Transfer 3 OK 2 2nd

7 Discards -

No test ng

409 - 24 plates 12 Traces

OK 7 2nd 1 Discards 4

Van peeled 1 checked 2 pickups

Transfer OK 3 Discards 7

2nd 2 - full out

NG - no test

408 - 12 Traces

3 OK 1.2nd 8 Discards

NG, Submit test

442 Fuchsin base 10% sol
 443 Bromo J
 444 " 4A +
 445 Auramine OOB Gno +
 446 Acad Violet 418 N Cont 65% Sol +
 447 Violet base 70% Sol +
 448 Methyl blue 3% 6% +
 449 Violet 6B Cys 2% +
 450 Victoria blue base 29% +
 451 Speed blue 3 66% +
 452 Methyl blue 3% 3% +
 453 Brilliant blue 66%
 454 Victoria blue 63%
 455 Alkali blue 68 46%
 456 Erioglaucine 46%
 457 Green M 10%
 458 Acid green 9 CX 8%
 459 Acid green 133 5%
 460 Green base 107 85%
 461 Sh. Chac 91%
 462 10% "
 463 25% "
 464 50% "

in

465 Acetaminde 8% —
 466 " 12%
 467 " 3%
 468 Diphenyl 3%
 469 " 8%
 470 " 12%
 471 Parachlorophenol 3%
 472 " 8% 71%
 473 Parachlorophenol 3%
 474 " 6%
 475 " 12%
 476 Amorphous Graphite 5%
 477 " 10%
 478 " 15%
 479 Strontium Carb. 5%
 480 " 10%
 481 " 15%
 482 Lampblack 5%
 483 " 10%
 484 " 15%

423- 24 plates 12 Trans

7 OK 2 2nd 1 pickup 1 OK

3 Descends 2 Vanished 1 OK

free release who's well

Transfer blank 4 OK 4 Descend

Cracked 1 dirt on a face 1 Crack

on surf 1 light pull out + saw bubble -

5 Records - 1 Run out, chips in music

2 Very faint 2 Run out

2 OK

454- 10 Transfer made

4 OK 2 2nd 4 Descends

3 peeled 1 checked -

Smoky - 2, stuck forward off

descends

Wg

424 24 plates 12 Trans

9 OK 2 2nd 1 spot 1 check

1 Descend - Vanished off -

Wks fine - good appearing

free release A 1

5 Records 4 OK 1 faint Run out

Transfer blank

6 OK 3 pull out 3

Cracked Edge

Transfer plates

24 OK 1 Descend, raised

5 bubbles -

422- 24 plates 12 Trans

9 OK 3 descends 1 Van pickup

1 Van Chd 1 peeled off

Wks very well - good surf

free release A 1

4 Records 2 OK 1 Bad run out

1 faint -

Transfer blank 7 good 2nd 1 pull out

4 descends OK 2 slope

392 - 24 plates 12 Trans

2 OK 10 Discards -

5 OK at Edg - pieces peeled off
5 Van stuck to plates in small
pieces - surface cracked

NG

391 - 24 plates 12 Trans

4 OK 8 Discards

all stuck to plates - some
fanned off - 4 have small pieces
pulled out 2 Van peeled off
2 didn't flow to good surface
Vanish became clippish in the
action

NG

405 - 24 plates 12 Trans

4 OK 8 Discards

1 Van didn't flow smooth
Van pick ups - poor work
stuck slightly to plate

416 - 24 plates 12 Trans

5 OK 12 - 6 Discards

3 wax - 2 Van peeled 1 Pickups

NG

420 24 plates 12 Trans

6 OK 3 rubs 3 Discards

free side on, surface slightly
smoky

2 OK 12

1 slight Rub

2 1st Run out

Very shiny surface

395 - 27 plates 13 Trams 11 OK

1 2nd 1 - Van stick to plate - small spots - good why release free from plate, an occasional very slight cracks seen - looks well - good appearance -

1 BSRD

1 ~~SR~~ R

1 Slight run over surface not visible

1 " Cracks

1 OK - not good -

400 - plates 24 Trams

12 - 6 OK 2nd cracked +

peeled with piece of metal

4 Discards OK 1 peeled

looks good free release - air apt. show up after standing over night -

11 Run apt -

That's enough NG

405 - 24 plates 12 Trams

OK 4 Discards

didn't show surface

7 Van pickups - poor corky stuck slightly to plates

NG

Don't run at. not very great surface - BSRD, etc. -

404 - 24 plates 12 Trams

OK 3 - 2nd Discards

6 - NG didn't last

403 - 24 plates 12 Trams

OK 4 - 2nd 7 - Discards

1 = air apt. show up

after standing over night -

looks well free release -

good appearing surface -

Didn't test - NG -

420 - Coralac 4% +
 421 " 3.5% +
 422 Coralac 3% +
 423 " 2.5% +
 424 " 2% +
 425 Hydroquinone 78% sol
 426 Acid Uric 50% more than put in
 427 Acid Paraoxybenzoic +
 428 Anhyd Santonin 85% sol
 429 Copper Chloride 26% more than put in
 430 Quinhydrone 50% sol +
 431 Mammilla C. Sol 60% sol
 432 Acid Metaoxybenzoic +
 433 Chloron
 434 Quinhydrone 10% + 55% sol
 435 " 20% - 47% sol +
 436 Acid Salicylic +
 437 Nanking Yellow 30% sol
 438 Rhodamine BX
 439 Safranine Base 61% sol
 440 Phosphine 28% sol
 441 - fuchsin RT 96.5% sol

415 24 plates 12 train
 OK 12 (no descants)
 This var works fine give good
 appearing results as first release
 A1 -

5 Records 1 Bad Run out
 2 OK velvet
 1 Slight Run out as sol
 1 " not velvet

This is the bluest + most shining
 disc we ever had it like black
 glass of shells, opalescent
 & is fine

419 - 24 plates 12 train
 1 Discard OK & var peels off
 near hole Discs Yellow -
 except 3 which black on one side
 4 yellow on other free release
 within 5 Records
 3 Slight run out surface only
 2 Bad run out
 Very shiny yellow
 phosphine even

393- 27 plates 13 Tram 11 OK
2 Discards - These are all - in every
way except each has a piece pulled or
chipped off near edge. The Van shows
up very well. Excellent appearing surfaces
black - free from spots, or pinholes
no checks or cracks. Many water try
more says think will show up favorably.
5 tested -

1 OK - Very little cracks on this
much better than all others for
smooth part cracks, softer
Velvet scratch

1 Very slight run out smooth very little

11 RO - cracks on smooth

1 OK - bad cracks on smooth

This is bad on RO -

387- 24 plates 12 Tram
10 OK - 12 small cracks
1 Discard Van pulled off
Went over all surfaces, mostly
a good appearing surface
5 Records 5 Run out

386 29 plates 14 Tram
5 OK - 2 240 small pores, etc.
7 Discards - 1 bad (low for
heavy thick - all criss cross)
fracture - 2 OK 1 little RO
1 to run out

399- 24 plates 12 Tram
9 OK 3 240 small cracks
No discards
Wks good good surfaces red & green
don't check or break at edges
5 Records 3 OK
1 slight run out
Pretty good 1 Run out weak
Vanish

380 - 30 plates 15 Transfer
OK & 2nd 3
Discards 4 - Van lifted
up & cracked 3 peeled off
at EL gas -

5 Records 2 RO -
3 Slight RO

383 - ~~not~~ none sat
24 plates 13 Transfer
4 OK & Discards
Records not lost

385 24 plates 13 Transfer
13 OK - who well plates
not as free Evidence of
soft spots in some
disc. otherwise good
appearance
5 2 slight run out
2 OK
1 Run out

381 - 30 plates - 15 Transfer
14 OK 1 2nd - small cracks
works fine - good appearance
A1 -

5 Records 2 OK
1 Very slight
1 Trace

Not black 1 Run out not lost

382 - 30 plates 15 Transfer
13 OK 2 Discards Van
Cracked at EL gas
Wks well - all come from
plates free - no other
good appearance

5 Records 5 OK -

Dry Chl Tin in Vacuum

Heldhol Gall see Yang
Insurance Engineering

354 5% Rose +
 355 10% +
 356 5% Succine +
 357 Phenanthren 5%
 358 Beta Naphthol +
 359 Resorcin - lost in washing +
 360 Phenacilin " " +
 361 Perchloroform 50% sol +
 362 Monomethyl para amide sol 75% +
 363 Benzoglutol +
 364 Alpha Naphthol +
 365 Para toluidine foal chloride 100% +
 366 Diacetylacetone +
 367 Para chlorophenol +
 368 Meta toluylenediamine +
 369 Parachloro benzene +
 370 Parachloro aniline +
 371 Para phenylenediamine 99% - 100% sol +
 372 Beta naphthylamine 91% +
 373 Meta phenylenediamine 90% +
 374 Naph. 1% 100% +
 375 " 2% 100% +
 376 " 3 98% +

377 Naphth 5% 97% +
 378 " 10% 95% +
 379 Anthracene 100% sol +
 380 Benzoglutol 50% sol +
 381 Phthalic acid 100% sol +
 382 Acetanilid " +
 383 Anthracene none sol +
 384 - 100% sol, mixed with water +
 + followed by 3 thick layers
 385 CHL Ammonia 38% sol +
 386 Naphthalene 5% sol +
 387 Benzoglutol 55% sol +
 388 Benzene all sol
 389 Phenanthrene 85% +
 390 Chloro acid 100% +
 391 Lactic acid " +
 392 Lead acetate 75% +
 393 Diphenylamine 100% +
 394 Chloroacetic acid +
 395 Hexachloranthran +
 396 Citric acid 86.65% +
 397 Naphthalene 100% +
 398 Lactic acid none sol +

399 Gum Dammar 55% salt +
 400 " Rawr +
 401 Resin -
 402. Stearn Picde - kat sal +
 403 Water 20% +
 404 " 57% +
 405 " 10 +
 406 " 20% +
 407 6/4 9/10th of natural amount +
 408 " 18/10th " +
 409 " 17/10 " +
 410 " 1/2 " +
 411 " 4/10 " +
 412 " 3/10 " +
 413 " 2/10 " +
 414 Paraformaldehyde 7.9 gram
 415 Para Dicyanodiamine base 2% +
 416 Acetate of Potassium +
 417 Boric acid pure technical +
 418 Manganese chloride 135 gram
 used only 61.5 gram see section
 419 red color like pyrene +
 Carbanil Gase
 CMO.

372 - 28 plates 14 Transfer
 9 OK 12nd 4 days good
 1 Van pulled off 1 Van lifted
 18. 1 - good surface
 10s only 1 Van
 5 Records 1 slight
 4 Rain out -

370 - 48 plates 24 Transfer
 20 OK 12nd 3 Days
 2 of which Van pulled off
 near 8 days 1 Van Coked
 10s were good, good surface
 5 Records
 2 OK 3 very slight Rain
 pretty good Van

373 - 25 plates 12 days
 4 OK 12nd 4 Days
 Van pulled off near 8 days
 Van lifted off 10s
 10s were good
 2 Records OK record surface

369- 43 plates 21 manifest
18 OK 3. ~~Disorderly~~ - 1 cracked
at edge. 1 had small glass pulled
from var. 1 var sticks to plate
near edge. ~~Unlabeled well~~
Tested 5 3 Very slight Run out
1 Run out ✓ OK.

365- 48 plates 24 manifest
22 OK 1 2nd 1 Disordered
stick to plate but only 1 force.
The second was broken
than my other 2 plates
Very much plates had some
and broken in their way
slowed later

5 Records 4 OK
1 Abrasively faint Run out
good

378- Every plate blistered
in oven + ~~Champeron~~
Top blisters ~~Red + OK~~
but still there is layer
Condensate on plate
Shows latent ~~below~~
on Condensate -

390- don't stick to plate
at all - whole sheet
Comes off in some cases
+ perfect mod. cases
+ cracks, but repellent
to plate. This is fine
stuff to prevent sticking
to plate a little in
any vacuum probably
stop sticking.

~~Class~~
~~Common~~
~~grain~~
~~to plate~~

Water seems to be soft sandy
sandstone with fungus nail
bottom surface numerous bubbles

364 45 plates 22 transfer
20 OK 1 ~~20~~ 1 Discard 5
6 sticks to plates all even
esp front 1 ~~discarded~~
Van Wiles guns = closed
gas discharge

5 Records loaded

2 OK

2 Slight Rundatt

1 Very slight run out

363 52 plates 26 transfer
17 OK 2 ~~20~~ surface spots stick to
plates 7 Discards stick to
plates in spots -
14 blank sticks to plates
of which 7 OK + 7 Discards
10 loosened for plates +
forward strongly to get off -
quad out of focus

5 Records loaded

4 OK 1 very slight RO at start

361 - 43 brains/plates

21 brains 17 OK 1 2nd may pass

Discards 3 -

all have small rubbing and see them
in microscope a good Van to buy up

Record 1 OK

3 Slight Run out 5 tested

2 OK

fair Varnish

359 44 plates 22 brains

12 OK 10 Discards

2 Slight Run out

1 OK

3 Run out

Bad Varnish

362 36 plates 18 brains

16 OK 1 2nd - slight op. plate

1 Discard 3 Slight Run out

1 disc 2 OK - work well

5 Records

3 Strong Run out

1 Slight

1 OK -

368 - 48 plates 24 brains

20 OK - 1 2nd cracked

Discards 3. pulled out several places
work the good

5 tested

1 Slight RO

2 Very slight RO

1 OK

1 Run out

366 - plates 45 brains 22

15 OK - 1 2nd 6 Discards -

12 Slight to plate 6 forced 2

damaged in vacuuming if pulled

Van off

Don't use good -

5 tested 4 slight RO 1 OK

367 45 plates 22 brains

2 OK - 20 Discards

Varnish pulled up -

Every plate should be

forced off -

only 1 got thru 1 OK -

258 Beta Naphthyl -

partly ground surface -
7 tested 6 OK run out fairly
strong - Red back la. rec. out.

251 ~~Run out~~
~~Run out~~

259 Run out

260 Run out

348 Run out

256 - ~~Run out~~

3 Run out 3 ok.

325 10% Rose

50 plates, small bubbles -

2 lifts up in ground -

48 transfer plates,

24 transfer

14 OK. 2 2nd would pass

Comedy - 2 2nd would not pass

Comedy

1 Shrinkage plates Van peeled off
near hole, 1 Van peeled off.

1 with small cut 1 Van didn't
flow well, 1 Cracked near

edge 5 discs

3 with slight cut 1 Cracked

Vanish 1 peeled Cracked

Good black - Rep. Plate

1 Run out, not as good but no

5% Rose

CISI]

Salem

Oyer	154	154
Dalbarn	400	30
LEMAC	75	
Lowell	35	35
Trotter	60	
Stevens	100	
Maxwell	96 ¹¹	
Lockart	75	
Webster	190	190
Nichols	40	
Badger	30	
Wentz	40	
Don Palmer	100	100
J. Palmer	20	
Pimpton	100	192-509 off
Dodd	40	150
William	40	35
Golden	96 ¹⁶	
Hamby	43 ³²	Pat of all money
Madison	40	Price of all money & gold
Badman	40	Price of all money & gold
Kanahani	45	Pat of all money

Leaves 30- Daflum - trade for squirrel
 Brown 30 " only 30
 Unger 25 Sleigh's school evidence on
 paper at the warehouse. Blackdon
 M. L. Laidlaw 18 f. Laidlaw's
 M. L. Laidlaw 15 Sleigh's
 " R. R. 17⁵⁰ " of
 A. J. Bennett 15 of 1000

Legal Rep 1000 year

55- Adopt 600000

30 Governor -

4
 4
 5
 2
 3
 96
 332
 52
 1704
 18304

476 - graphite streak
473 yellow varnish
475 yellow varnish
474 " "

40 ft stream -

56

103

182

446

446

260

Wed 10 pm -

Thurs 10 -

Sat 10 -

Sat 10 -

Sat 10 -

Sat 10 -

Sat 10 -

Sat 10 -

Sat 10 -

Sat 10 -

100 daily -

200, 175

25

1500

1500

1500

1500

1500

1500

1500

1500

1500

1500

1500

1500

1500

1500

1500

1500

1500

1500

20000 / 66

1500

1500

1500

1500

1500

1500

1500

1500

1500

1500

1500



14

13

42

14

182

12 / 10000 (19)

52

48

12

12

12

12

12

12

12

12

12

12

12

12

42 / 148 (3.3)

14

14

14

14

14

14

14

14

14

cluj

[ITEM(S) FOUND IN BOOK]

5 - 23 pieces 114 (range) -
 OK 2. Discovered 12 -
 Discovered in the same place
 previously. 114 pieces of
 6 cent. Vanadium. Van
 + does not block 114
 Record 114.

~~5 - 23 pieces 114 (range) -~~
 - 1 Record OK

374 - 24 pieces - 12 pieces.
 6 OK to Discovered
 4 pieces of 114 in 114 pieces of 114.
 Record 114.

5 Record 114
 2 Record 114
 1 Record 114

7th test is reducing p-nitrochlorobenzene
 with Tin + HCl - which is done over distilled
 water & distilled with Distillation.

see 3rd Aug 196-

[ITEM(S) FOUND IN BOOK]

375 = 2nd

14 ~~Accession~~

5 OK - 3/2nd

6 ~~Accession~~

~~all new to you~~

Pulled off ~~acc.~~ - ~~new~~ ~~large~~

As none of the ~~accessions~~

developed ~~the~~ ~~new~~ ~~plans~~

Free

Record on at

375 - 28 ~~Accession~~ 14 ~~Accession~~

2 OK

12 ~~Accession~~

Don't ~~Accession~~

Parachloroanthracene

1 ~~Accession~~ - Chloroanthracene distilled with

K ~~Accession~~ till solid, gave off ~~Accession~~ 18 ~~Accession~~

blue substance was not noticed on ~~Accession~~

Bar 1435 14 ~~Accession~~ - 2nd ~~Accession~~

bleached by active Chlorine on ~~Accession~~

Yields by distillation large ~~Accession~~

Parachloroanthracene ~~Accession~~

3 ~~Accession~~ sulphide ~~Accession~~ on 13 ~~Accession~~

page 416-17

Notebook Series -- Pocket Notebooks
Notebook, PN-12-00-00

This undated pocket notebook, which was probably used in 1912, is not part of the run of "idea books" that constitute the majority of Edison's pocket notebooks. Instead, it contains notes by Edison on phonograph recordings. Some of the recordings are listed according to categories: reed orchestra, brass orchestra, brass and swing, instrumental quartets, general, and "explanatory talk." There are also references to the records being sent to baths A, B, and C. The pages are unnumbered. Approximately 25 pages have been used.

2480 gone to bath C
 2483 " C
 2515 " C
 2538 " C
 2579 " C
 2580 " C
 2583 " C
 2584 " C
 2582 " C
 2559 gone to bath C
 2560 " C
 2562 " B
 2563 " C
 2564 " C
 2487 " C
 2492 " C
 2384 gone to bath C
 2383 " C
 2248 " C
 2172 " C
 2574 " C

2480 Ragtime on the air (Collins) A B P
 2483 Somewhere Voice Calling Archibald A B P
 2515 Where Sharon flows A B P
 2538 Up Rose of my heart Krimm A B P
 2579 When Songbirds sing Randolph A B P
 2580 Girl iningham gown Hindmeyer A B P
 2583 An Irish lullaby and Gillette & Cha A B P
 2584 Melancholy & Rose " A B P
 2542 Come with a gay love Krimm C A B
 2559 Amorella - Barry A B P
 2560 Drifting - Clarke & Archibald A B P
 2562 Faithless heart Berry A B
 2563 Because I love you Berry C A B P
 2564 Boncarolle Spencer-Chalmers A B P
 2487 Midnight on my pillow Spencer A B P
 2492 First fond lines Krimm Berry A B P
 2384 Stay Fredk stay Krimm Berry A B
 2383 Love heart pie Archibald A B P
 2248 Something Spencer Van Pelt A B P
 2172 Come who love lies, Quantile A B P
 2574 The dawn swing C Miller & C A B P

2575 Queto bath C

2576 " C

2594 " C

2595 " C

2573 " C

2489 " C

2488 " C

1258 " C

2296 " C

2322 " C

2188 " C

1298 " B

2011 " B

1100 " B

1097 " B

1120 " B

2581 " C

2523 " C

2522 " C

2535 " C

Have new one

2575 Swiss (through home C Miller & C

2576 Alido with me "

2594 Wanderer Fredk Martin

2595 Fleeting Vision "

2573 Old folks at home C Miller & C new

2489 Wh. King glories Fish - new

2488 W. Silver Colorado Architects

1258 Then you'd remember me Hackett

2296 Angus W. Donald Harellie

2322 Band members dream Archibald

2188 Come back to Evie Quarlette

1298 Call me your Darling again Spenser

2011 Veata Pa quibbaul Miller

1100 Home S home Quarlette

1097 Sweet Spirit hear prayer Harellie

1120 Baby Rose Vian Brunt

2581 Sweetly Solomea that Chalmers

2523 Lead kindly light Mix Qt

2522 Perfect day "

2535 Love downe all love Rans Fish

1178 Marquede Fish

A B P2

A B

A B

A B

A B P2

A B P2

A B P2

B

B

B

B

A

A

A

A

A B

A B

A B

A B

A B

A B

1425	Jesus escor (Sylvia)	AB
1426	O Paradis (Urtis)	AB
1431	Io Piangos (Bru) Melis	AB
1432	Io son Pamos "	AB
1433	Suicida, Gicada "	AB
1427	De Wanders Urtis	AB
1434	Avell Maria Stille - Melis	AB
1435	Makimato - Stokken	AB
1436	Gischa Melada Stokken	AB
1437	Notte sul mare "	AB
1438	Aspiration "	AB
1439	Maria-Maria "	AB
1440	Amoureuse "	AB
1441	Avell Maria Cav Riu "	AB
1442	Lorenata "	AB
1443	Arme uoi Mugurka Stokken	AB
1444	Ja lu pake da nro "	AB
1445	Inguette Irini Morbida (Cabin)	AB
1446	Voi lo Sapete "	AB
1447	Avell Maria (Bach) "	AB
1448	Maria-Maria "	AB
1449	Viss, de Art "	AB

English Record

My Recd

Made New

1450	Ballalella	Labra	AB
1451	Adido del paraiso	"	AB
1452	Mattinata	"	AB
2125	Conjau Tule pay	Cienecos	AB
2175	Yoi to Sapato	Melro	AB
2176	Quii Sota Vergin	"	AB
2190	Elbon	"	AB
2218	Caro Nome	Bori	AB
2227	Ahfora Pui	"	AB
2646	Mangwito Fish	"	AB
2605	Madushla (Rendolph)	"	AB
2607	Lookmigo Caprice	Archibald	AB
2615	Beautiful Lake of Sea River	"	AB
2617	Garden of Vastness	Arch Fish	AB
2622	Villanelle	Harry Carson	AB
2624	Green hill for way	Kincaid	AB
2625	Good dream after all	Spencer	AB
2645	Barrenness (Archibald)	"	AB
2637	Ecstasy	Carson	AB
2638	Elois Dream	Kincaid	AB
2633	Darling Helen Gray	Wix	AB

plated - C
 " C
 " C
 " C
 " C

Make one up quick
 " " quick

- 2623 Let me see, Randalph & C A B C
 2616 Kind of golden Dream Sparrow Arch A B C
 2606 Now the Day is over M & O A B C
 2602 Brink to me with these eyes Rind & C A B C
 2600 Lullaland Rag Corrine A B C
 2418 The glances of the Kaiser A B C
 2644 The Bugler Chalmers A B C
 2640 At two o'clock my heart Canons A B C
 2639 Nancy & Chalmers & C A B C
 2657 How calmly the Love Mix O —
 2658 Chg of Light Piquette Mals & C —
 2655 A diversion L Braukin —
 2652 Canzonetta " —
 2564. Tales Hoffman Sparrow Chalmers A B —
 2492 Bohemian spirit Fossil Lines Kaven Bury M D —
 2497 Emma's 1st Love Line " A B —
 2575 Sweet Throat of the Line C Miller A B —
 2574 Dawn Dawning C Miller & C A B —

Reed orch

2510	Lancelot.	A B C
2509	Dreams of Twilight	A B C
2393	L'Esperance	A B C
2497	Cupido Franco	A B C
2498	Amor d'Amor	A B C
2499	Phyllis Caprice	A B C
2386	City of Dalley	A B C
2302	Harpsounds	A B C
2304	Zephyr de Mai	A B C
2305	Ha Ha	A B C
2306	Spanish Serenade	A B C
2307	Un Reiz d'Amor	A B C
2308	Corn Amore	A B C
2387	Bird of Gold	A B C
2392	Maidens Prayer	A B C
2509	Twilight Thoughts	A B C
2634	Ciganierco	A B C
2635	Scene de Ballet	A B
2636	Grand Valse	A B
2619	2nd Mazurka	A B C
2618	Corn Tassel Dance	A B C

2478	passed to bath	C
2485	"	C
2490	"	C
2507	"	C
2532	Sent to bath	C
2533	"	C
2590	Sent to bath	B
2591	"	B
2592	"	B
2593	"	B
2496	"	C
2476	Sent to bath	C
2477	"	C
2484	"	C
2486	"	C
2501	"	C
2502	"	C
2503	"	C

Brass Orchestra

2478	Patrol off guardman	A B <u>P</u>
2485	Amen Patrol	A B <u>P</u>
2490	Glow Worm	A B <u>P</u>
2507	Too much Western (Dance)	A B <u>P</u>
2532	Turkish Patrol	A B <u>C</u>
2533	Moonlight Rag	A B <u>P</u>
2590	Lullaby Rag (Dance)	A —
2591	Lonesome Pine (Dance)	A —
2592	Miss Mexico Tango (Dance)	A —
2593	Baton Commando March	A B
2496	Que Pasa Tango	A B <u>P</u>
2476	Dance Wife March	A B —
2477	Fountain Dance	A B —
2484	Dance of Fireflies	A B —
2486	Flaming Arrow	A B —
2501	Red Tulip waltz	A B —
2502	Darkville Dance	A B —
2503	La Bella Credo	A B —
2505	Silver King Waltz	A B C
2506	Etudiantine "	A B C
2536	Carnaval Dance	A B C

2540	Night's Frolic	ABC
2549	Flight of Gypsies	ABC
2546	Clair de lune	ABC
2504	Maritana Overture	ABC
2516	Tannhauser March	ABC
2518	Benediction Poignard	ABC
2519	Rienzi Overture	ABC
2547	Robert le Diable Fantasia 1	ABC
2547	" " 2	ABC
2457	Adieu	ABC
2626	Rag Time Nick	ABC
2608	After Sunset	ABC
2609	Hungarian Fantasia	ABC
2610	Ballet Music Fant	ABC
2611	Under a Eagle March	ABC
2566	Ruy Blas Overture	ABC
2567	Hungarian Rhapsodies 1	ABC
2568	" " 2	ABC
2569	Rippling Waters	ABC
2627	Vienna Beauties	AB
2634	Fanny Tales Overture	AB

2630 | Garden of Rose

AB

Make new
See about it
" "
See about it
went new one

C Sent to Bath -

Brass + String

2385	Dear Homeland (String)	ABC
2388	Song of Janico (BrS)	ABC
2514	Angel d'amor BrS	ABC
2524	La Gitanita BrS	ABC
2525	Bittol. Dour BrS	ABC
2530	Amoureuse Valse (String)	ABC
2508	Dans l'air d'Overton BrS	ABC
1267	Fluttering Dove BrS	ABC
1215	Hearts & Flowers String	
1215	Recondita Amore Martelli	
1216	Educacion le stette	F
726	In Quelle Trine Labia	S
951	Kukumi Tango	
2603	Fifth Nocturne BrS	AB
2598	Souvenir et Regret BrS	AB
2613	Adieu to me BrS	AB
2614	Spring Maid Selection BrS	AB
2620	Arrest Life Waltz BrS	AB
2621	Chant de Mai BrS	AB
2597	Adieu Similes with BrS	ABC
2642	Hearts & Flowers	AB

Plated C

2643	Brooklets Tale	ABC
2382	Song of Love (string)	ABC
2071	Rob Mouses (string)	BC
2247	Chanson Rume string	BC
2312	Invitation to walk BTS	BC
2385	Dear Homeland (string)	AB —

New one

passed C to both

Instrumental Quartets

1236	Memories of Home	ABC
2204	Mountain Echoes	A B C
2588	Nocturne	A B C
2587	Pure as snow	A B C
2641	Memories of Home	A B —
2165	Dream Tyrochems	B C
1323	R. Marowmeas	B —

General-

2599	Chalangua Lela	Vincent	AB
2379	Meditation Thais	Kronhard	ABC
2062	Ben Bolt	Violin	BC

all B's passed to
Leath

Explanatory Talk

2552	82521	A1
2553	83010	A1
2553	83011	A1
2557	83006	A1
2556	83008	A1
2555	83015	A1
2554	83005	A1
2551	83013	A1
2550	83012	A1
2545	83409	A1
2544	83017	A1
2543	83016	A1

93

21

43

23

4

1

185

92 Dues

Notebook Series -- Pocket Notebooks
Notebook, PN-13-07-12

The first dated entry in this pocket notebook is from July 1913, although the book was probably started at the beginning of the year. It was used by Edison to record ideas about business matters, experiments to be tried, and other tasks to be performed. Many of the items have been crossed out. Included are technical notes relating to electroplating, disc records, automobile starters, batteries, home projecting kinetoscopes, telephones, and electromotographs. Many of the entries pertaining to disc records are preceded by experiment numbers, which may correspond to experiment numbers in other notebooks. Toward the end of the book are business-related entries regarding problems with disc record manufacture, costs, labor, orders, investments, and the financial standing of various Edison companies. Similar information can be found in PN-13-09-24. The last two pages contain notes in Edison's hand about the social activities of his wife, Mina Miller Edison, probably during the period April 22-May 15, 1913.

Among the numerous Edison employees mentioned in the book are chemists Jonas W. Aylsworth, Peter C. Christensen, and Ignacy Goldstein; master machinist Robert A. Bachman; experimenter Charles T. Dally; William W. Dinwiddie and Sherwood T. (Sam) Moore, two of Edison's principal assistants in the development of disc records; Harold H. Smith, chief of the Battery Research Dept. at the West Orange laboratory; and Carl H. Wilson, vice president and general manager of Thomas A. Edison, Inc. There are also many references to industrialist Henry Ford. The pages are unnumbered. Approximately 160 pages have been used.

Philpot wants tanks
45" dia 8' deep

or 45 X 30" by 8' deep

1 Tank for water 3 Tanks
for dipping -

Try Chloride of Arsenic -
+ other organic salts

Try Varnish plates of
different metals

Draftsmen to make
blue print W.C. &
Steam Rept. 10 lbs
9226 -

Hydroxylamine added to
a Copper solution
makes deposit brighter
as smoother -

CuSO₄ sol gives more reliable
deposits when its
acidulated with
Nitric acid instead
H₂SO₄ -

Thin Copper Bath
Stops warping +
diminishes brittleness

487-24 plates 4 Discs
2 OK 2 2nds -
Transferred 1 OK Discards
2 2nds 1
plates - all have bubbles
7 plates not cracked
20 plates Cracked
NQ Not tested

486-12 Disc 6 OK 6 Discards
4 Warped 2 Cracked -
10th good piece became
Cracked soon
plates Discards 7 Cracked
Transfer some into small
24 plates Over press
Down / coats spread some
air blown
Not tested NQ -

485-12 Discs 8 OK

1 2nd Cracked 3 Discards

2 peels 1 peeling

Wks good free release

Transfer OK 3 2nd

discards cracked 4

Over looks good few air bubbles

Transfer small air bubbles

in all 24 Discards 3

Run

484-12 Discs 8 OK 1 2nd Cracked

3 Discards peeled

Wks very good fine surface

free release

Transfer OK 8 2nd 4

Cracked - Over looks fine

few air bubbles

Plates bad bubbles on all 24

483-12 Discs 7 OK 2 2nd Cracked

3 Discards 1 peeled 2 Cracked

Wks good fine surface

free release

Transfer OK 6 2nd 2nd

Roll out Discards 5 Cracked

Over looks fine air bubbles

Good bubbles on all -

354 Rosolic acid 5%
355 " 10%
356 Succinic
357 Phenthen
358 Betanaphthol
359 Resorcin.
360 Phenacetin
361 Perchlorobenzol
362 Monomethylparamidiphenol
363 Benznaphtol
364 Alpha Naphthol
365 Paratoluolsulfachloride
366 Di Oxynaphthalene
367 Paramidophenol
368 Metatoluylenediamine
369 Paradiethylphenol
370 Parachloroaniline
371 Paraphenylenediamine
372 Betanaphthalamine
373 Metaphenylenediamine
374 1% NaOH
375 2% NaOH

377 5% NaOH
378 10% "
379 Anthracene - not sol.
380 Benzonaphthol 50% sol
381 Phthalic acid
382 Acetanilide
383 Ashragumone not sol
384 Reg 384 mixed twice as long
385 Chloride Ammonia 38% sol
386 Naphthalenetetrochloride 5% sol
387 Benzoate Pot 55% sol
388 Crotylic acid
389 Phenanthrene
390 Oleic Acid
391 Lactic acid
392 Lead Acetate
393 Diphenylamine
394 Chloralhydrate
395 Hexachloranthran
396 Citric Acid
397 Naphthalamine
398 Tartaric Acid not sol

399 Gum Dammar 55% sol
 400 " Resin
 401 Resin
 402 Sterine pitch not sol
 403 Water 2
 404 " 5%
 405 " 10%
 406 " 20
 407 6/4 9/10 of Req amt
 408 8/10
 409 1
 410 1/2
 411 4
 412 3
 413 2/10
 414 Paraformaldehyde
 415 Paraphenylenediamine basic 2%
 416 Acetate Potash
 417 Boric Acid
 418 Manganous Chloride
 419 Acetate Magnesia
 420 Rosolic acid 4%

421 Rosolic Acid 3.5%
 422 " 3%
 423 " 2.5%
 424 " 2%
 425 Hydroquinone 73% sol
 426 Acid Mucic ?
 427 Acid Paraoxybenzoic
 428 Santonic acid anhy 85% sol
 429 Copper chl ?
 430 Gum Gamboge 5% 50% sol
 431 Mambila Copal 60% sol
 432 Acid Metaoxybenzoic
 433 Quinine
 434 Gamboge 10%
 435 " 20%
 436 Acid Salicylic
 437 Nankin Yellow 30% sol
 438 Rhodamine BX
 439 Safranin Base 61% sol
 440 Phosphine 28% sol
 441 Fuchsin
 442 Fuchsin base 10% sol

443 Bromo J
 444 " 4A
 445 Auramine OOB Conc
 446 Acid violet 4 BNS Conc 68% sol
 447 Violet base 70% sol
 448 Methyl Violet 3PB 68% sol
 449 Violet 6B
 450 Victoria blue base 29% sol
 451 Spirit blue 68%
 452 Methyl blue PB 3%
 453 Alkali blue 66% sol
 454 Victoria blue B 63%
 455 Alkali blue BR 46%
 456 Erioglaucine 46
 457 Green M 46
 458 Acid Green GCX 8% sol
 459 " BB 8%
 460 Green base 1107 85%
 461 Shellac
 462 10%
 463 25%
 464 5%

465 Acedanilide 8%
 466 " 12%
 467 " 3%
 468 Alpha Naphthol 3
 469 " 8
 470 " 12
 471 Potassium persulfate 3
 472 " 8
 473 Parachloraniline 3
 474 " 8
 475 " 12
 476 Amorph Graphite 5
 477 " 10
 478 " 15
 479 Strontium Carb 5
 480 " 10
 481 " 15
 482 Lamp black 5
 483 10
 484 15

485 Chrysoidine 25% Sol
 486 Gum Dammar 3% } 80% "
 487 " 8 } 63 "
 488 " 12 } 53 "
 489 Salicylic acid 3 } NG
 490 " 8 } NG
 491 " 12 } NG
 492 Phthalic acid 3 } NG
 493 " 8 } NG
 494 " 12 } NG
 495 " 2 } NG
 496 Aniline Oil 4 } NG
 497 " 6 } NG
 498 Acetanilide 3 }
 499 " 5 }
 500 " 8 }
 501 " 12 }
 502 Acid Green GCX 3% 83% Sol
 503 " 8 12% Sol
 504 Alkali Blue BR 3% —
 505 " 8% —
 506 Parachloraniline 4%

507 Parachloraniline 10% "
 508 Graphite 10% aq
 509 Graphite 25% "
 510 " 50% " 9-
 511 Chloride ammonium 80% Sol 10
 512 " 50% 5% 10-
 513 " 30% 5% 8
 514 " 30% 5% 12 11
 515 Paraphenylenediamine 3% used off isotherm
 516 Phthalic acid 5% 9-
 517 " 8
 518 Phthalic acid 3% + Paraphenylenediamine 1%
 519 Gum Dammar 5%
 520 Parachloraniline 5% Paraphenylenediamine 2%
 521 Resorcinol 4% and
 Paraphenylenediamine 2%
 522 Resorcinol 4% and
 Paraphenylenediamine 2%
 523 Phthalic acid 4% +
 Paraphenylenediamine 2%
 524 Alpha Naphthol 4%
 Paraphenylenediamine 2%
 525 Acetanilide 4% +
 Paraphenylenediamine

- 526 Diphenylamine 4% &
Paraphenylenediamine 2%
527 Acetanilide Magnesia 4%
or P — 2%
528 Hexachloroaluminum 4% &
P 2%
529 Selenic acid 4% &
P 2%
530 Soframine base 3% &
P 2%
531 Acid violet 4B NGLC 3% &
P 2%
532a Bromo 4A 4% &
P 2%
533 Parachlorobenzenesulfochloride 4%
P 2%. Some react. m⁵
534 Vanillin 8 & 4% of
Resorcinol 1200 Cressler
1800 Alcol
36 Paraphenylenediamine
535 - 1200 Resin 142° MP 29% Precipitated
54 Pentol
45 Nap
95 6/4
1780 Percent

- 536 - 75% 294 profile
537 Equal parts "
538 Quinidine 5%
2% Paraphenylenediamine
539 100% 294 profile
2% Paraphenylenediamine
540 5% Chloroacetic acid
2% Paraphenylenediamine
541 45% Carb. Disulfide
2% Paraphenylenediamine
542 Superheated Resin 1 hour
Req Pentol - no Soln Phenol
543 ditto 2 hours
544 " 3 "
545 " 4 "
546 5 "
547 2% Paraphenylenediamine
5% Parachlorobenzenesulfochloride
25% Extra 6/4

In catalogue of disc say music
is best heard 10 or more ft from
the machine, allowing for
spread of the sound waves

Sent Ford photos of program
of bridge

Where is contract with
Jacques M. L. us

Wilson who looks after
small Wilson Rectifier to
see if properly arranged
& Costs kept down

Bachman How about
Mummy Cell - The former
lamp that got the
prize is being introduced

Hutch - How about Birch slant

Moist lampblack with good -
plat Ag. the surface with
for telephone

Part 2 via second telephone
present our record on it
test

Moore - get mould & press
graphite oil record

Did I patent the Goos on
Dynamo of Ford with
governor closing when get
certain speed a opening
when speed too high

Reaming at 1st hole one
man at 2nd ~~handles all~~
Group & they get better
persons saying clearly

Cont use exhaust steam,
from diesel & phelpat into
over heating system -

Start using Nos 2 & 3 Replax

Start tone changes on
Standard diesel after
lightening weight.

Try Kieselguhr best
for polishing record
mirrors also Carb Dr
& other preps

Would like in wafer's -

492-37 plates 12 Discs
OK 6 - 2nd 3 diff. imp.
3 Discards
Wks fair 3 sticks -
No test

491-12 Discs 1 OK 11 Discards
Dont f. Cons. much
OKs fair sluggish -
2 plates stuck
Transfer - 10 Discards all
pull out -
W9 No test

382 49 plates 24 Discs 18 OK
6 Discards peeled
Wks good fine surface
free scale etc A
Transfer OK 18 Discards 6
Cracked plates
OK 48 Ovens fine few
air blisters -

496-12 Discs 5 OK 2nd 1 peeled
5 Discards peeled wks
fair - 3 sticks to plates
Surface streaked
muddy -
Not tested

495 12 discs 7 OK 2 1/2 plates
1 2nd fine crack -
4 Discards 2 peeled 2 checks
OKs good - 4 sticks
Muddy -
Transfer OK 10 Discards 3, pull out
Not tested

493 8 1/2 plates 12 Discs OK 4
2nd 1 fine crack 4 Discards
Dont f. Cons. much -
Wks fair - 3 sticks
plates -
Not tested

382-23 Discs ~~OK~~

1 2nd conc. spot. 14 Discs ~~OK~~ <sup>all of these
No answering
probably</sup>

10 peaked 4 Cracks

Not labeled

383

490-12 Discs 5 OK 3 2nd

1 left 2 Cracks

4 Discs - 2nd Conc.

surround - 10th. 1st

2nd 10th. 1st

No label

489-12 Discs 7 OK

1 2nd Conc.

2nd Conc. 2 Cracks

2 peaked

3 Cracks to plate -

No label

Mc Chesny of the
Laboratory sent
put them on box

Ugalla Miller

Make Happy Days

over 3 of them

also answering 1st

384 Varnish double length time

Mixing - 120 Plates 60 discs

500K 1 2nd Conc.

9 Discs (4 cracks) 2 peaked 2 left

Works very good good smooth

surface - force 1st Conc. A1

12 Records tested, with horn

30K = 25%

4 Run out 34%

3 Very slight run out

2 " not velvet } 42%

pretty good surface + some good

in horn - my cost makes me see

Harri

Transfers 500K 9 Discs

1 pull out

This is a sample to

judge the time by -

485 12 Discs 8 OK 1 2nd
Cracked 3 Discs 2 pecked
1 pecked up like good,
up and surface free release
5 Records 4 Run out
1 Run out surface band

Transfer 5 OK 2 3 pull out
Discs 4 Cracked
black from down surface good
few not blisters -

509 12 Discs 10 OK 2 Discs
1 left 1 Cracked 1 like very
good fine surface
free release A1
Transfer 5 OK 3 A
1 OK out with white spot
black from down surface good
few in blisters

5 Records
1 slight RO
3 Bad RO
1 RO.

507 - 12 Discs 10 OK Discs 2
small left up
Works very good, clean very
some few raised spots
but not soft free release

A1 -
2 OK
2 Slight Run out
1 Run out

surface fine
Transfer OK 2 2 light
pull out - 10 Discs pull out
even look very good

506 - 12 Discs 10 OK 2 Discs
1 Cracked 1 pecked like good
good with free release A1

2 OK
3 50% - Thin out
have some small spots good
Transfer 9 OK small white spot
small up and 1
Discs 2 Cracked 2
even - good 1 left up (15)

382-24 Discs 18 OK

6 Discards (peeled)
lots good fine surface
free pebbles At 1.

3 Very slight Run out

2 Run out not bad

Over looks, fine free and
blebs

Plates 48 OK

Transfers 18 OK

6 Discards Cracked

516-12 Discs 9 OK

1 2nd (Cracked left up)

2 Discards 1 left 1 cracked

lots very good fine surface
slightly shaggy - free
pebbles

Transfers OK 9 2nd 3.

Full with shaggy,

Over looks good

483-12 Discs 7 OK

2 2nds (2 Cracked)

3 Discards lots good fine
surf free pebbles

1 Run out

3 OK transfer surface

1 slight RO

Transfers 5 OK 2nd 2

pebbles only Discards 5

Cracked

510-12 Discs 9 OK

2nd 2 left

1 Discard 1 peeled

lots very good very good
surface fine pebbles

Transfers OK 9

2nd 2 peeled Discards

1 Cracked

1 bubble on all plates

Over fine fine and bluish

4 OK very good surface

1 RO slight - very good

There was a lot on these

505 - 12 Discs 10 OK

1 2nd fine cracks

1 Discard Cracks

1 Works excellent

good surface free release
slightly sundry A1

1 Very slight RO good surface

2 OK not very good surface

1 OK fair surface

1 Bad RO -

511 - 12 Discs 10 OK

2 2nd Cracks

works good - good surface
free release A1

4 OK only fair surface

1 Very bad RO

Plates Rough & Vag bad

Transfer Heavy white surface
Discards 1

Transfer Discards 1 Crack
Deep scratch 1
but ok surface 1

512 12 Discs 10 OK

2 2nd Cracks

works very good Excellent scrub
free release slightly sundry
A1 -

5 OK but surface not
as good as 384 Reg -
No RO

504 - 12 Discs 11 OK

1 2nd small Crack but Cracks

works excellent fine surface
slightly sundry free
release A1

2 Run Out

3 OK surface like Reg

Transfer OK N 1 white
spot - no discards
seen good few on blades
plates few on C&B
in all

Corner Left

503 12 Discs 19 OK

2 2nd cracked near hole ball

Canal -

Looks Excellent good ramp

Free release A 1

Some white spots shows

1 OK single

1 Slight RO surf good

3 OK surface good

Transfer 10 2 white spots

Over fair few air bubbles

Plates all OK

514 12 Discs 11 OK 1 2nd

Light Cracks -

Looks Excellent. Excellent

surface - has a rusty

gray appearance heavy

Free release A 1

5 OK good surface

Nearly Velvet

Transfer OK 11 2nd, scuffed

Over - Very bad rough

plates heavy mottle surface 1 Disc

Plates some mottle

Shows Heavy Mottle surface
Litter -

513 12 Discs 8 OK 1 2nd

small hole -

Discards 3 1 cracked 2

small holes -

Looks fair fair surface

slightly scuffed

Free release. Very heavy

4 OK not velvet

1 Slight RO not velvet

Transfer 7 OK 2 2nd

pull out Discards 1

Cracked 2 Dirt on

surface

Over - Very bad rough

Plates Heavy mottle surface

1 Disc Recused

484 12 Dec/80K

1 2nd Cracked

3 Descend/packed-

like every second

fine smooth surface
fine texture

3 ~~OK~~ ~~al~~ ~~al~~ ~~al~~

2 ~~Ref~~ ~~over~~

Transfer 8 OK

Descendants of Cracked

Over how far an bubble

Platz 1 Band 1

1944 12.11.44

502-122160K 6/Dec 2000

3 cracked 3 / ~~reels~~ -

Three miles and 4

2 Very Sl. to Rd Velost

OK

2 Run out

Over fear and blessing

482 12 Dec. 7 ok

5. Discard 4 peeled 1 cracked

Wk for good sleep -

Sticks to coffee

45 only put correct

not quite so good as

Ref

1 ~~Review~~ ~~of~~ ~~the~~

Transfer OK 1 2nd crack

4 Discards pull out

Open books from few are chosen

State/and Counties on all

Discovered 4/15/2002

481 12 Discs 7 pk 1 2nd

Small holes - 4' diameter

peeled 1 pick /p/-

~~Colas pour grand service~~

~~Brownish~~ ~~yellow~~ - matted

~~from segregation want 3 times~~
~~of C. C. —~~

5000

3 BR Very Clean

Wants / ok / 40 minutes / 10
plans / 10 minutes / 10 minutes / 10 minutes

Open Loops and

480 not tested — }
 479 " " } des %
 as tested 481 — }

With Benzal 2 1/2
 get in Glycerite

10 Chloroform of Amine

~~Cellulose~~

Acetyl Cellulose
 sugar

Try Carter 50 45 + 2 gal. to
 Resin — 1 1/2 Paraphenylenediamine

Try Green Dammus acetic
 2 1/2 Phenoxybenzoic acid

See if we can see if we can
 make some Chlorinated
 a delaminated to work
 Parachloromethane —

~~Graphite 100% with 1 1/2
 Paraphenylenediamine~~

Try transferring by oiling
 surface of Varnish — try
 Glass acid, Camellia oil,
 Machine oil at top peeling —

Moore about another Edging
 Machine ~~Machine~~

Chloroacetylene Salts
 which is 30 g. of Amine —
 put in 50 — 2 1/2 PPdmine —

Pais Dental plaster Prime
 turn 20 mesh & cast a
 second graphite it & see
 how it looks —

~~into some of the Agrees~~

Ash Bailey how he made
Colloid Metals work
are almost to make
Silver -

521 = 48 Plates 24 Discs
24 OK no 2nds or Discards

Par excellence = Surface
Excellent - 100% release

12 Records Tested

5 OK fair surfaces

5 OK velvet

2 Run outs - Better

than require for run outs

Transfers 24 OK no discards

Plates 48 OK 1 raised, discarded

Over - Very fine =

Surface running
not so good as
384 Reg

522 42 plates 21 Discs 19 OK

2 Discards 1 cracked 1 puffed,

Wks excellent = excellent surfaces -

100% release A1 - Transfer blank OK 19

Cracked 2 = Plates 42 - 2 raised

Cracked 2 Dust 1 - all discards

Over - good few small blisters -

12 Records Tested

2 Run outs

1 " Bad

4 OK not nearly as good surfaces as Reg

2 Slight Run outs

3 Very slight run outs

520 = 48 Plates 24 discs 22 OK

1 2nd Cracked 1 Disc and parallel

Wks Excellent - Excellent surface
Frost release #1 - Transf. OK 21

Discs 1/3 (cracked)

Plates 48 OK 1 Dxt 1 Round ball

descended - Over very fine -

12 Records 8 OK very other

2 Slight Run out at start only velvet

1 Very slight run out not velvet

1 " " Velvet.

Noticed Cutting one one.

Then noticed on other Run clean

Make 10 Ear test

This is fine surface better

than regular probably

best yet of these work test.

Found that 50 Run it

cuts band

So to HQ - nice

went more 6/4

Run with 25% more

6/4

519 24 plates 12 Discs

11 OK 1 Disc and Cracked

Wks Excellent - Excellent Surface

Frost release #1

Transf. OK 2 Disc into Cracked

1 2nd - Small Crack

Plates some scratches on top

24 - Descended 5 Cracked

Records 1 -

Over very good -

5 Records

3 OK Velvet

1 Run out

1 " " only at start -

518 12 Discs 10 OK 1 2nd left up

1 Disc and didn't flow to surface

and - Wks good fine surface

free release #1

Transf. OK 10 1 Disc and pull

out 1 2nd light pull out

plates some scratches on all plates

1 Disc and run over very good

2 OK Velvet 2 Run out 1 slight Run out

523-42 plates 21 Discs
15 OK Discards 6- (3 left up)
1 peeled 2 cracked
Wks good-good surface
Base medium, slightly
sandy

12 Records

7 OK 5 slight run out
surface fairly velvet
Transfer OK 14 Discards 6
Cracked 1 Dnt surface
Platz 42 OK 4 Discards, round
Over looks very good 2 left up

524-46-21 OK 13 Discards 10
4 Var peeled 2 cracked
Wks good-good and slightly
sandy Discards not all
due to Varnish -
Transfer OK 12 Discards 2
Cracked Over very good
Plates 46 OK Discards 2
sub 66
7 Records 3 OK not velvet
3 Run out
1 OK cuts.

415-96 plates 48 Discs
31 OK Discards 17 (15 peeled)
2 cracks - Discards not all
due to Varnish - Wks
good good surface
12 Records

Transfer 26 OK 21 Discards
Cracked 1 2nd pull out
Over - looks very good
Platz 96-Discards 3 Dnt
Raced 5 -
12 Records 7 OK velvet
2 Very slight run out
3 OK not velvet

527-42-21 Discs 16 OK 5 Discards
2 peeled 3 cracked - Wks good
sandy - dark red, yellow
brown after Linum
free section -
2 OK 6 Run out, rough
surface -

440 96 plates 48 Disc 43 OK
1 2nd 4 Discs 2 sealed 2 Covered
Wks excellent - Expect surface
free reactions A -
Transfer 38 OK 10 Discs
Covered

Plates fine but on all plates
2 Discs 2 Out 1 Remd
10 good plates
Oven very good some plain
have no blisters

12 Records 4 OK velvet
3 OK velvet in stand OK after 1 min
2 Run out
3 Very slight run out

525 48 24 Discs 45 OK
8 Discs 6 sealed 2 Covered
Wks fine slightly cloudy
free reactions -
3 OK enough
3 Run out -

WQ

Fry 72 by Hoyer graphite wax
in Copper surface -

Take apart 3 A4 cells I now
have soaked & got in plates
& soak 2 of them in highly
Conc Cobalt solution, light
N. Chloride, then dry &
precipitate with 5% HCl.
Wash & put back & test

Don't take apart the 10 cells
toppling & mud blocking cell
if other 10 of OK after
10 days more than 200
now it covers

Hoffmann Temp 520
but 25% more 6/4 -
50 plates -

Work much more water on
Silver Cobalt graphite wraps
inside

Run 10 car trial on 5/21

4 440 —

Send Home PR to Ford

Send to Home full test

Council records class

Ernie keep record up

to date

528-48 plates 24 Discs

20 OK 1 2nd left up

Discards 3 Crashes

looks very good - free sealant

A1-

Transfers 19 OK Crashed 3

Dirt on surface 1-

1 2nd left pull out

Plates OK 48 2 Discards raised

Good - Very good -

12 Records —

2 Slight run out not quite the velvet

2 Very slight run out Velvet

5 OK velvet

2 Run out - 1 fairly good -

Pretty good Varnish - my car -

both a surface is hard

plaster probably this

Varnish is OK for surface

as compared to others

530 44-28 discs 18 OK

2 ruds (Check, Comet)

Discards 3 (left up)

Wks very good, slightly smudgy
some few red spots, free release

A1

Transfer 18 OK Discards 3

Cracks - 2 ruds light pull up

Plates some bubbles on all

plates Discards 4 raised -

Over quad free in blister

1 Run out rough

1 Bad run out rough

2 Slight run out rough

1 OK Velvet

3 OK rough -

Bad lat. NG

529-48-24 discs 18 OK

1/2 lift up - 5 Discards 1 peeled

4 Cracks

Wks good slightly smudgy

free release Cracks on side

Transfer 14 OK 7 Discards

Cracks 3 ruds pull out

Over - very good -

Plates 4 OK -

3 OK fairly velvet

2 Bad Run out

4 slight " fairly velvet

1 OK rough

531

36-plates 18 Discs 17 OK

Discs 1 pecked

looks excellent free release

A1 - Transf. OK 17

Discards 1 Cracked

Plates some bulges on all

Discards raised 6 -

Even good peck free as blisters

3 Slight run out Rough -

2 Run out Rough

2 OK rough -

685 prints so far on this

would perhaps pulling

rough -

Maxcraft

See How many

operettas you

can get

532-42 21 discs 18 OK

1 2nd check -

2 Discards Cracked

looks very good - free release

A1

Transf. 17 OK Discards 3

Cracked 2nd 1 pull out

Plates 42 OK Discards raised 4

Even good free as blisters -

1 Slight run out rough

2 " family velvet

5 OK family velvet

1 OK rough

1 Run out rough

1 Run out 6th -

Daily = 100k in Candelera
+ 10k in pressing
process - warm at plastic
point -

Have ~~18~~ 18 more cells taken
apart in 2 trial with
Sulphuric H_2SO_4 + 2
with Sat NiCl_2 with some
free HCl -
2 with Sulphuric H_2SO_4
2 " " " "

Moors - put in $\frac{1}{2}$
advis. ~~nickel~~ as
we get 20 a day

Ashelegat Ept
State of foreign
Kendallion plants
Synchrograph & Lord
210

Get some ~~Methyl~~ Wax

Barbary Wax

Chinase

Sphumacti

Exquisitely pure wax

Purely Talcum Wax get rid of
acc. if you can get any good

Hoffman - Make some

3% Paraphenylene diamine

4% "

5% "

Pour on plates in glass
as made before at Com. set
also 4% Para 3% Paraphenylene
4
5

538-23 Discs 20 OK

Discards 3 (Cracked 2 feared)

Wks 12-13 good free scale

A1 - Transfer OK 19

Discards 11 cracked

Plates OK 46 - Discards 3

dist 2 rps -

Over 1 cracked very good

2 OK not visible

7 OK visible

1 Run out not visible

1 Slight Run out not visible

540-24 Discs 21 OK

2 2nd 2 checks 1 good

1 Discard 1 checked

Wks fine - slightly cloudy

free scale for 1

Transfer 19 OK 3 Discards

Crack, 2 2nd left piece rule

Over - not good postmarked

Plates 48 OK 2 Discards bubbles

1 Run out fine

1 Run out rough

6 OK visible

2 slight Run out not visible

vent

Thick black
concentric
vent

541-23 Discs 14 OK

1 2nd Left up -

8 Discards 5 pieces 3 small cracks

Wks good - slightly cloudy

free scale not marked &

thickened -

Transfer OK 12 Discards

10 Cracks 1 2nd full scale

Over Postmarked

Plates - heavy malle surface

46 put thru press 2 left over

Horrible Surface No

Prism - where is all the
ice used - chip out?

Basin - if can't get steel
in this country get
it abroad -

Silver Monochloroacetyl
peculiar scales - Disflagellates
at 110 Cent - set hot water

~~Silver~~ ~~Monochloroacetyl~~
scaly crust of water

Send Ford refs show
he makes noise -
keep school well equipped
with it the HPC and
10 pics -

Use Cabell's sol plate:
over avoid master will
cleaned a large Cabell
1 amp hours of time
then immerse in Copal
Soluble ~~Thiophene~~ ~~in~~
pour melted ~~Chloroform~~
to shell this will
detail a thin seal
with a plate for
shell ~~Thiophene~~

~~Christmas~~ - Fast some
 $\frac{1}{4}$ & also $\frac{1}{4}$ thick -
Cool material with cover
on also still quick

Had all the ~~in a corner~~
records in the biggest
way

This gives chance to ~~flow~~

get some electrical lead
used among records
to mix -

Try Oxide way
also ~~flow~~ -

get old Master flow
Rec V. 100 4 1/2, ~~Rec 100~~
partly ~~plastic~~ the 100 cc
so can ship

Try Keene Cement & then
2nd wash — for disc

Wilson — at proper time
take steps to wind up
the North phones in England
Aluminum Segments

Watch —
See about great cooling
tubes & ~~the~~ backed
to get internal Res
already —

Got that fireable metal
it's made, melt &
drop material in it —
or pour on ~~material~~

~~Find all — use of etc
Moulded & with cement dissolved
in Benzol — put the powder in
die & press it on machine
heavy pressure —
I could make the cement
stronger mix —~~

Test surface on smooth
part of a quadrilateral
records on one machine

Glacial process with
Aluminum phosphate
thick, then mix 2nd
to consistency of putty
working in 2 minutes

~~Dorothy Cunningham~~

~~ZNO half the bulk
with ZnO 1.250 g. of
Oxide of zinc -~~

~~Dry ball of quills worked
by hand in hot water
at press of from Center
of mouth - it will
be full water of hot
it happens -~~

~~get some gum chicle~~

~~Send special mess
with nice vegetable
Foods Machine also
HPR -~~

~~Daily reports of 10kg
wounds OK OK for repair
+ Double + Regulate~~

~~Ship to Tosi / 250 disc
Kendish + lot of records
all so far -~~

~~Barry Richard Marks
up~~

~~Stevens / did Whiggo
get much of ready~~

~~Amalgam is a mixed
then pour thick wax
see if it dont come off
Solium Amalgam~~

Pour over master 150 cc of
Very thick Prtite Varnish with
10% Paraphenylenediamine
heat slowly, in oven until
Condensed - strip & good
plate.

Put wax spread on glass
turned flat lay over
Would repeat in wax
& bring it to glass
point & let it sink
down a little, then
Cool.

Make very thin solution
Chances and oil in
benzene etc flow over
Master & get all off
Can let it dry in air
then Cast wax record
it will not stick I
think

546 48 24 disc 16 OK
8 discont. 5 plates 3 cracked
Wks good - very good surf
fine & clean
Transfr 11 OK 13 cracked
Plates 48 OK 3 discont
Not sealed

545- 48 24 disc. 9 OK
15 discont. 6 plates 9
cracked - Wks good
fine surf fine & clean
Transfr 9 OK 15 discont
Cracked
Plates 48 OK Then -
spots don't print well
even very good -

544-48 24 disc, 20 OK
1 2nd Comet Diamonds 3
1 Crack 2 pebbles
Wks very good Excellent
surface. 18 OK - 200
Transfer 18 OK - 200
1 White sp. 1 light pink
out, 2 small cracks
Plate 48 OK OVER-VERY good

543-24 Discs 18 OK
6 Diamonds 11 pebbles 20 Cracked
Wks good very good surface
face sealant -
Transfer 18 OK 60 Diamonds Cracks
OVER 200
Plate 48 OK

542-24 Dec 20 OK Disc and
4 - 2 pebbles 2 cracked
Wks good very good surface
1 small crack
Transfer 18 OK Disc and
Cracks - 20 chopped around
hole -
Plate 48 OK - OVER look
very good

2 sets of 2000s Alcedo
+ Angelina

Daily - Use 2 to 1 1 part Cellulose
on base no shaking against but
bring up to 300 self
The Room will cause it to
stick 9 months

See results of 521 test.

~~Walt GO A4 & 12th Regiment
GO A4 not work ch.~~

~~Smith last Pass at
100 camp on A4 -
walked to night. 100 ahead~~

~~also with 21 KOH 2
d or 25 KOH 2 L. 100.~~

~~also 2 KOH~~

~~Moore Tony was on
an assignment of 1000 -
also 1000 1000 1000 -
also 1000 1000 1000~~

~~L. 1000 1000 1000
Hurry man come
over~~

~~See how much week
Christmas gets~~

~~also in 1000
Room~~

~~Send 1000
SB 1000~~

~~William 1000
call 1000
get out of 1000~~

~~Where about
Talking for Capt
underland~~

551 = 24 took 2 2nd 1 lifting could
 1 crack - 2 Discards Cracks
 who fine - excellent surf -
 free balance -
 Transfer OK 19 Discards 4
 Cracks 1 dirt on surface
 Plates 48 OK 1 Raiser 1 bubble
 Oven - good -
 3 Rough chips RO / moved run 878
 1 Rough - Time too rough to
 use as that
 didn't run the other 8 -

553-24-17 OK 3 2nd 1 peck
 1 Check 1 lift, Discards 4
 1 lift up 3 Cracks -
 with good - up slightly secondary
 Transfer OK 18
 Discards 2nd with dirt
 around rearing 1 use blades
 Plates OK 50
 Oven good -
 Moulded low rough
 must reposition
 another round

Varnishes Continued

548- 3/8 Paraphenylenediamine
 only

549- 4% "

550 5 "

551- 4 parts 3% "

552 4 " 4% "

553 4 " 5% "

554 4 " 2% American "

~~Wilson - don't finish
over to Cyclone Beach
slaying him off -~~

~~See about film in paper
box & whether from
not paginated.~~

554 -

48 - 24 discs, 18 OK

1 2nd 5 discards

Cracked Wks good

free release slightly

Sunday

Transfer 15 OK

8 Discards Cracked

1 2nd Light pull out

Plates 48 OK

Over good

1 OK little rough

1 Slight RO good surface

2 OK good surface

1 Recount facing wing

1 OK Cuts -

521 Run thru same time
as 554 -

46 plates, 23 discs 20 OK

3 discards 1 cracked

2 small cracks

Wks very good Excellent

surface free release

slightly Sunday

Trails OK 16 - Discards 6

Cracked Wks blue 1

Over good

Plates 46 OK 2 Discards

raised -

2 OK face surface

4 Run thru little rough

one of them cut on

small part -

Wally Muller

We want some *Tricus* Cracker
in $\frac{1}{2}$ inch or even $\frac{5}{8}$ to
slightly flanges Cracker
on edge. When at home
about don't put it all on
the edge. Every don't one
should be put in per 5/8
about about every 5 lb
Record

Gold plate & white

Washed black &

Copper & yellow

Simplex w/ly nit

1st from frame

Mudhys

British & *patles* on *Egy*
see *valend* *work* -

355 = 24 hours

6 plates 3 discs

2 ok & *Cornal* 2nd

Ring *shiny*

2 ok *fer* *surface*

555 48 hours

2 ok *surface*
about same as
24 hours

555 96 hours

2 ok

surface *better*

than 24 or 48

555 = 120 hours
Very much better surface
than 24 48 & even
96 hours, but both
plates stick to blank
Evidently $4\frac{1}{2}$ Paulas &
 $2\frac{1}{2}$ Amey Paulas & 1 Paulas
if 555 is it - is best
after keeping on ice
for 3 days or 4 days

Get up & Machine
for plugging
Vic Rec on new

Machine

Also Volume

Adjuster

Ball

~~White Green~~
Sheet Cellulose
20" wide X 55 1/2" long
4 discs 10" of sheet
1 3/4 lbs, weight of
8 discs 1 7/8 lbs -
1/2 lb samp per sheet

Reg up disc
Twisting off reach
for Cellulose
discs with
Drum &
ball ahead

~~Clerk for Schmieder~~
~~all morning for a~~
~~work to take notes~~

~~Necessary to bring~~
~~water data~~
~~Reg Edison~~
~~notes -~~

~~Take up final testing~~
~~of new things. (10)~~
~~Shower etc~~

~~Use a working~~ ~~Would~~
~~desand as an anode~~
~~after thorough cleaning~~
~~to see about holes~~
~~rotate it, Reg way~~

~~Try (1) Cellulose Sub~~
~~in Reg replacing bath~~
~~with Ni. ~~then~~ plating~~
~~to see how thick cans~~
~~get before peeling~~
~~these make 2 or 3~~
~~finish with~~
~~Copper -~~

~~Tell Merchman~~
~~Shields K with Pres~~
~~K - Gal anod too~~
~~hydroscopes~~

Starting Monday report
records of all Cellulose
Moulds Number of
Records before taking
off -

Find with steel March 14
134000.

Backum -

Hummer off wains

3 more besides

the 2 Craftsmen

Goldstein got good
several last for
Tandem. I may be good
our iron in battery

New Records Come

Old Silver 1301 - Because you
are you -

Started right off at 4 amp
Slow Speed.

100° of big Conchides NG
2nd print same

Got 1/8 cellulose - used by
Luko for making 8 clamps
holder - it kept flat
ok, it seems dirty print
but print it there also
2nd row no to holding it
fine surface |||||

66 + 92 Cellulose Dismantle
surface only fair no snaps
except what is due to
Dry and Moisture mixed -
Brush used -
Consider it pretty good
no snaps are about

Bea-Loss Hartford
change batteries also
so they won't tell
Carl off a change
Carl & use decided
to also check
Hartford when he gets out of his cell
if he returns & we will
and a new lot.

Goldstein Make 25
lbs 3 Crystalallines
of Sulphur from
Sulfur like having
8% Cobalt Sulphate in
Crystalized & talked
Miller to write &
reduce for test.

ditto 25 lbs with
2.5% make 5 at in
it =

Goldstein take some
from battery C &
test for sulphur. #6 etc

Dunwoody perhaps
we put S. on too thick
 $\frac{1}{2}$ thick $\frac{1}{4}$ thick try

Dunwoody try 2 grafted
Sub Cellulose & plant
Silver Chloride

Has Lewis Miller paid
for his phone & records

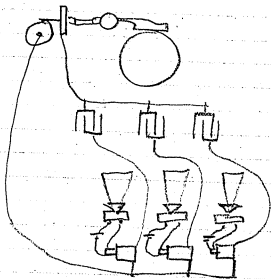
Moore if Condenser gets
on Miller should work
not on water should
thus get electrolyzed

find a solvent for
~~Acetyl Cellulose~~
which has absolutely
no solvent action on
nitrocellulose to patch
or fix spots -

~~Backman~~ 3/16
~~tube having~~ hp

Try Expts with
thicker cloth
on grill to reflect
& reduce scorch
also use ball

~~Dimethyl~~ Why not
use free alkyl in sol
to keep acid & oxides
dissolved



Ask Baderach to see telephon
if they have hydro-sulphite or
whether they pass out sulphur
Cu to Reclaire state -

See Rehrs place for pulling
in Diamond see sulphur
if we can't get rid of burning

Look up the Transier vehicle
gave least San Antonio. Think
it was Parrish's van
+ try this instead of
Pentec or put in the
Paraphramediam
also try Pentec the P. C. M. S.
+ hair dye

Six Records to go on
at 20 amp instantly
in Vertical &
31x in brush bath
at 10 amp

Wally Miller Make up
a 2nd happy days

Forrest 10/15 per perfect
melody has authors
Nay's

Wilson - we show all the
Doc's graf gave &
if we are sure they
pay 3/4 of cost

find out cost
hydro-sulphite

When Quith seeds
over 6 and 7th plates
from cutting. mosses
with Bromus -

Hops - + find out
why the quiths are
metal unattached
near holes without it

554- 521 $2\frac{1}{2}\%$ more
Alcalal

562 521 $2\frac{1}{2}\%$ plus Alcalal

563 521 $5\frac{1}{2}\%$

564 384 $2\frac{1}{2}\%$

565 521 off staff -

559- $2\frac{1}{2}\%$ Paraphenylenediamine
5 Paraph

560 $3\frac{1}{2}\%$ Paraph -
5 $\frac{1}{2}\%$ Paraph

561 $3\frac{1}{2}\%$ PPD -
6 Paraph

557. Reg 521 with $5\frac{1}{2}\%$
was Alcalal to
NG only got 50%
good Paraphenyl
with $2\frac{1}{2}\%$ more
Alcalal only
got 54's good -
wants to be as thick
as possible - then
in good case -

Small pump 3" dia $\frac{3}{4}$ " wide
 At 1800 Rev runs 3 yds $\frac{3}{4}$ "
 dia hole at 600 lbs pressure
 When yds sloped pressure
 not raised appreciably
 When $\frac{3}{16}$ hole got w opened
 pressure is 2 $\frac{3}{4}$ lbs
 Same pump at 2800 (Rev)
 runs 3 yds at $1\frac{1}{4}$ lbs
 3 yds as above takes 50
 galbon per hour

Test 561 - Very good
 24 discs 20 OK
 2 2nd left up -
 2 Discards 1 cracked 1 peel
 looks very good, very good
 Surface 2 stick to plate
 A-1 83.3% $\frac{3}{4}$ lb
 12 Discards
 1 OK, very slight rimout
 for about 5 ft
 Plate 48 OK 1 dent 1 Rimout

562 - 48 plates 24 discs
 19 OK 3 seconds 1 left up
 Discards 4 - (3 left up 1
 peels) looks very good
 very good surface
 1 stick to plate A-1
 80% Blank 16 OK
 Discards Cracked
 2nd 5 pull out -
 8 OK
 2 very slight rimout
 2 OK little Cracks
 plates no discard

559 - 48 plates 24 discs
 20 OK 4 Discards
 2 left 2 peels looks very
 good, very good surface
 3 stick to plates
 A1
 7 OK
 3 water in Rd
 1 Big flaw
 1 Cracked

563 - (521 with 5 1/2% less alcohol)

48 plates 24 discs 17 OK
1 peeled pin - 6 pl boards
3 crushed 3 peeled
100% good, good surface
free scale, no surrounding
Lab on 1, lifted up
When need for test
Red tinge not black
Like 599 600 & 61 -

Transfer blades 14 OK
10 discarded
Plate 48 OK 2 raised -

OK. Viscosity 9
Run out 3, only little.

looks like
flowing &

562 - (521 2 1/2% less alcohol)

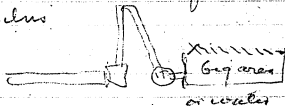
OK 15 2nd 3, left 2 Crat
Discards 6, 2 peel 4 Crat
who fair, good surface
free release, surrounding
plate 48 OK 2 left 100%
Transfer 14 OK Discards 10
Crushed surface 2nd 1
Crushed in surrounding

OK 5
Slight Run out 3
Big Crat 1
Run out 2
Bad Run out 1

something in
drying

Try Acetone
 Carbon Tetrachloride
 all the Chlorinated
 stuffs from Germany
 as solvents for Phenol Resins
 + all the cheap solvents
 Saponins oil -
 Terpenes etc
 to see if better transfers
 possible -
 Mollin solvents, hot plates, flow

Mason - dust from
 Helms



384 ~~resolant~~

OK not ~~resolant~~ rough # 2
 Slight ~~Resolant~~ 3
 Off ~~Resolant~~ 6
 Resolant 1

~~Kinschaphon Tolcol~~

~~Mrs Mitchell Fair~~
~~Eunice Morgan "~~
~~Atkinson NG~~
~~Coral O'Brien NG~~
~~Edna Thompson Good~~
~~Reamer Fair~~
~~T. & L. good but jerk too much~~
~~when coloring -~~

566 Paraphenylen 4%
Penta 8%

567-Paraphrylindem 6%
Penta 12%

Jack Rose went to Schenley
once with Moran
Wm. permanent at
Schenley

See if acoustulose
dope is furnished and
the Colson and
Bdry Electrical

566 + 567 no more
than 46% discarded
left edge peeled on 566
curtly - run out -
72% discarded on 567

Bunch & header spalling done

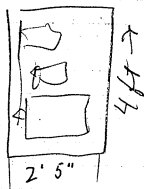
Used/Conditioned

~~Place dice for Press man
Get gutter percha tins
or to slatta or chiche -~~

~~putta percha~~ ☐ 5 gr weight
per disc 1.35 grams

330 to the pound

750 lb - $2\frac{1}{2}$ mths per disc
350 - about 1 Cent "



Ask Kamphoff if he
has had tube tests
at sampler he brat
up into pieces
ni —

Nickel 50% more than
now print 5 -
then polish & print 5 -
polish again & print
5 or so on

also Spring with point of
wood with Range or
Ivory with ~~some~~ range
& try various Ept. G

ditto plate Reg vi -
~~put~~ twice as much
& polish well -

Christensen -

Strong formaldehyde
in Reg cell 21%
to be suspended
Warm for 3 days -
then wash out -

Reproduces a subm
Cellulose at 100
110 or 125 to soften
the surface before
plating

Wurth about
dipping in ~~Fluor~~
Wurth ~~Fluor~~
Cellulose ~~or~~
also ~~run~~ after
pressing to ~~end~~

Try ~~plating~~ ~~Wurth~~
would ditto ~~Wurth~~
with ~~Wurth~~ used
in ~~graphite~~
do it 25 minutes
4 inches ~~graphite~~

Wurth ~~loading~~ in
Repair ~~Cyl~~ ~~3014~~
sitting ~~down~~ etc

8 ~~Microscopes~~ -
~~graph~~ -

Two ~~Wurth~~ that make
penta by pulling the
phenol in ~~Car~~ ~~Tetrochonic~~

Phenol ~~run~~ powder
put in water +
boil then all
what comes out
in water &
test for ~~Wurth~~

~~Dalry Asphalt,
Resin
Resin
Wood pulp - press
Paraffin water - insides~~

~~Hehr change over
Dyeing of Fe_2O_3 will
have an explosion -~~

~~See if phosphorus
will condense without
6/4 -~~

~~See if 6/4 will
Condense phosphorus
without glass -~~

~~See if prepared Rosin
pipe snuff will
press to powder blank~~

~~See if knocking face
of animal on transfer
blank with Kott in
 H_2O or alcohol won't
make it adhere to
blank better especially
at edges + center~~

~~Try Gaulta pencils
on transfer - 1 ruled
2 blank~~

~~Mark in gutted an
new dyes killed~~

~~Reaching GPC sec of Calata
for cheap order
5 lbs 45¢ gutter double
think it has it. see samples
Possibly Whiting will answer
Ruled out~~

~~Sprinkles Cyanide in
Cellulose tube room
There some pipes to
let in some air probably
water on and then
to prevent explosion
by generating H₂O~~

~~See what Goldstein
does for GBCs &
arrange it~~

Get air pipe over to
Dumville place -

Overture Ugaritan
Rattan - don't sound
like 7 passes - pbbly
wants 2 parts -
1 exclusive - listen
to original Piano

Dope for Celluloid Disc ^{now used} ^{Dip}

1 1/2 inches in jar of
Copper dapi, 1/5 more of
acetate amyl. + mix well.
then add 7 1/2 inches
absolutes at in 3
portions mixing well
each time - filter 3 thick
Washed linen - then feed
in bottle 2 times -

~~Flow cone thick Cores
all on 1/4 Silver plate
also special plate
11" dia with run ring~~

1/8

~~See also other sheets~~
done

~~Separate Bldg. across
Road dip + slope. Calculated
quas. Crinoids. Marsh
Balding person —~~

~~2011 = 2012 (copy)~~

depth of penetration of a needle
with a weight -

Ask your Doctor

Dist Dept 165 Employees
Payroll 1522 30

local - 1/day out

Try ~~clown~~ plates
4 day in vacuum
Dye-cr -

~~When Maximal -~~
~~about 1000 ft~~

~~Kundobler in Pic~~

~~Dances with a Brown~~

4/10 or derived from our
5th office Parcel P

~~Christiansburg - 1000000~~

Next our 15 depth
trawlers to each -

(105)

40 Moulds 158. for recording
H10320, 2 minutes.

	Cole.
1000 Moulds.	24.3
1500	16.1
2000	12.15
3000	8.10
4000	6.00
5000	4.86
6000	4.00
7000	3.47
8000	3.10
9000	2.170
10000	2.140

Moore - all *phillipsi*
small pieces 12
them will print as
submuses

Christensen - try regenerating
a *Selamite* cell. nearer
Ephraim ~~cell~~ (2) Zinc
pore by electrode the Zn
cell Sulphur Sulphide might
amount to see if it will
act again -

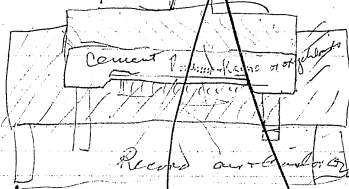
Bismuth deposits with
Copper do become
possibly this will
warden Copper -
d

Make dish for the cellulose disc
then pour on acid for a while
or bath for 10 days in a dish
till discolor then open & dry

See how much cotton line
can be used in transfer
Varnish with little extra
blackish oil flow

Coat a repeat surface
by using velvet brushes
rub hard & fix it warm

Weld a copper repeat
over cotton line over
Vapors of Sulphur
to Sulphuric acid



Take up matter of Porcelain
plating balls & glass
glass moulded

Radman about Berles
house - history -

Caramel

Aluminum

Isobutyl

Acid

Isobutyl

Glucose

Citric acid

Tartaric acid

Alum

Aluminate

Aluminate alumina

Sulphuric acid

Polysaccharide Cu

Iron, Sulfuric acid

Chloride hydrate,

Aluminate

~~Pick out Nat. Dine for
Cristallina
Argentine~~

~~Magnesium wire for Uralin -~~

~~California~~

~~Indigo in 10/504~~

~~Melodius acid - also oxide~~

~~Phosphorus~~

~~Quin. carbic - Remmelt~~

~~Sulphur~~

~~Thymol~~

~~Quin.~~

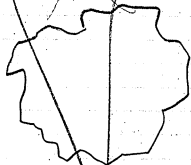
~~Aluminum~~

~~Galvan~~

~~Congo Red~~

~~Powder Blue~~

~~Examine & test Goodwin
last returned record~~



~~Meatloaf -~~

~~Why don't Stads~~

~~Come up & sing~~

~~Phosphate -~~

Pick apt ~~idea~~ for
signals & keywords —

Starch comp to enz phosphorylase

Pick out Discs for Australia & Argentina

Magnesium ~~was~~ for analysis

Examined when some of the victims

Take up matter of Forelaine bath

~~Coastal sedimentary basins of Oregon or Chumash Ridge
Wasson, p. 11~~

Christensen

More small projects increase

Moulding and/or press 2 or 3 at
once

Remind Hayes to keep a new book
now about Maritime Province

sep. 6/89 ~~haying~~ round dip +
store cellulose

~~See if dropping face of Varnish
slps plate with 10% 33% coat make
adhesive better.~~

Moore, detail of ~~the~~ new apparatus.

~~Qwa why not make pentu by
putting in chlorobenzene -
How about Oct Pentu now~~

~~Smith had nothing along
Meyersburg road~~

Order ~~15~~ Micro-

~~New order for collectors~~
~~desires -~~

Mudd gets sales to 514 local for
year to May 1 - ~~to~~ gene Elee to
get what the 5 coll will do

Free cast flat Para rubber
pad for grinding - also
collected up front.

Get Ford B2 stock

Get model box B2 Ford

Order ~~to go~~ Collector

Bring up with pattern

Plating table -

Place all the new stuff
+ chap for material

See Barden about model
box for Ford -

See Munda about money
+ PRR payments -

See if Caffrey home

if JPM home

Perkins

Morale

See Barden see many
pay roll, also Wilson +
Burgess

Roll can use use
Reg. to use all make
for ship p.c.

~~Stevens~~
" Thomas Place
New Rochelle
NY

~~Jones~~

~~Listen to the
Cylinder 15 mins.
11 p.m. 10/1/40~~

~~sk Mudd how he
keeps from me
on 10/1/40 he about
300 m. 10/1/40 how~~

~~for Cu baths -~~

~~Acetic Acid
Nitric Acid
Sodium Sulphate
Sulphate Zinc
Cadmium
Magnesium
Manganese
Sulphuric
Sodium
Potassium
Lithium -~~

~~Urea
Alcohol - Et. Methyl
Acetone
Phenol
Cinnol
Sformaldehyde
Phosphate K Na Li~~

~~Listen to Stevens Records~~

~~Keep to all other Zinc
Records & bookkeeping~~

~~Try Sewed belts on trace~~

~~See Lulu about the 6
#62°~~

~~Put better pictures
Amberal of 11 - see Lulu~~

~~See Dimon for concealed~~

~~Dolly about moving
Shellac place~~

~~Keep at sewing till
Dwain moves~~

~~Dimpton New Repetor
1/2 23 -~~

~~Dimon give up
Diamond record of
white pictures -~~

~~Dimon give
last up Colloid~~

~~Miller about L. Thru
Cost -~~

~~Harry April Repetor from
Dimon had the thing in
it~~

~~Breacht's 4 to 1 grafts~~
~~Consistent~~

~~Smith how getting on in~~
~~regarding 4 to 1~~

~~Guthrie 4 to 1 grafts~~
~~Nicola~~

~~Nehr 4 to 1 is 3~~
~~as Consistent~~
~~running 8 ft -~~
~~Worship~~

~~Breacht's 4 to 1 does not~~
~~grafted - Predomant 4 to 1~~
~~fine OK~~

~~Trammis 5 to 1 grafted -~~
~~fair but surface not near~~
~~as perfect as 4 to 1 5 to 1~~

~~5 to 1 not grafted - not so~~
~~good as 4 to 1 - 5 to 1~~

~~5 to 1 not grafted~~

~~See what of dero was~~
~~have for 4 to 1~~
~~measuring~~

Bismuth Notes S Battery

- 1 Perhaps Bi in big cell wants great excess of iron or a separator to keep Hydrogen away from Ni tube and plates may react catalytically which is a bad reaction.

Work up ~~Extra~~ seven
Kendall plates for
Morriss -

Submaster Notes -

1 - Dalley - ZnO + ~~thick~~ film Dope discs

2 - Very thick Cardamom Varnish
10% Paraphenylenediamine
H₂O₂ + mix with thick
film dope harden at
low temp to get flexible
disc - Don't mix -

3 - Polymerization of Pinene
Colophony, Proutie River products
Ander color Insol in alcohol
See file am chem soc 28 1461
original paper given to 8th
International Congress Applied
Chemistry by Frankforter, &
Pope - July Number 10th Abstract

Artificial Rain a Review
by Bottles in the Kunststoffe
3-84-9 130-4

Acetylene Tetrachloride
Solvent Acetyl Cellulose

Calcium Chloride & Ethyl Alcohol
good solvent of Cellulose

Glutaric acid is the only
fluid that dissolves
Gelatin, Gum Cassia -

Acid is miscible in alcohol
in alcohol Chloroform Amyl acetate
Amyl oil & Cassia

A dissolves Cellulose, Rubber
& the salts will stand a lot
of work. Can be followed
a little acetyl chloride
increases solvent power

Acetylene Tetrachloride
Solvent Acetyl Cellulose
It also dissolves Damar
Shellac - Elmi Sandal
the softer. Copals Camphor
Naphthalene - Miscible with
alcohol amyl alcohol
+ Carbon Tetrachloride

Phenyl Acetate ditto as
Acetylene Tetrachloride -

Phenyl Acetate ditto as
Oils - Salicylates -

Acetocellulose in Acetylene
tetrachloride with Shellac

ditto with Condensate Varnish

ditto Condensate Varn + 5%

Paraphenylenediamine

only best to the Rubbery
stage ~

Greases

Condensate Varnish Thicker
Condensate Varnish containing
5 to 8% paraphenylenediamine
up to the Rubbery stage only
these are of Varnish can
be showed off - also in
connection with Acetocellulose

See Smith abt Expts to find
out why stuff comes out
in Cells -

See Hall ~~Misc~~ about
Conditioning film drying
Room

Leeming about ~~Edna~~
Gears for parts on hand
why so many ~~what~~
we saw ~~and~~

Also of the ~~Garrison~~
Mischin, complete
parts & parts on hand

Modifies on Disc -

Vic Rec on E. machine

"Any Rags" for Disc -

Buchan about Model
box for Ford cells

Nehr why 3 air compressors

Nichols about ~~gathering~~
Lacos for coal ~~mining~~

Listen to C. ~~under~~ Rag
+ bands to list of things
Bayes gave - do it right

Gwa - why not Chlorine
Penta in ~~struck~~ nap

Pick out discs for Australia
& Argentina ~~A~~

Pick out ~~discs~~ for stacks
+ ~~known~~

Magnesium ~~to use for~~
~~Violin~~

See Kammhoff about Roast
Lumbar for $\frac{1}{2}$ 504 &
Storage fuel oil tank

Get some Paper Waste. used
by electrolytic press & press
out back of Model record
cleaned & then dry see of
OK.

Try Rosin instead.
Cresol Resin -

Tell Learning $10\frac{1}{2}c$
for phenol

↓ We should get
Cresol cheaper now

Dally
See if Rosin fine
sawdust will press to a
Cake hat -

Dally - also wood pulp
Rosin - Paraffin,
Glycerine & other cheap
Preserve -

Dally, on Waxing Acetate
Tetrachloroethylene of Resin

See if Paraphenylene with
Condensed ^{phenol Resin} ~~with~~ 9/4

Also if 6/4 will condense
pure Paraphenylene
with phenol.

See #60 in wooden Cabinet
See if 2100 lbs press phase
Master record & steel mould

35 new cylinders day
1st week profit,
profit 3420 week

#30 -	Week	
45	500	} 1040 -
60	275	
80	150	
90	100	
125	10	
200	0	

5 weeks supply cost
\$100,000, \$2000 week

Cylinder 30 new daily - 780 000 month
\$95,000 - 6 weeks, 118,000 required
19,666 week

1000 dealers	month	our sale	week
#60	20,000	160,000	500
80	4,000	60,000	1,000
150	1,000	75,000	250
200	1,000	100,000	250
250	1,000	125,000	250
Require	100	15,000	25
	9100	535,000	2,275
		44,135,750	1,135

6 weeks supply required
week 1 642,000

1/4 = 569 week

Dice - 1000 dealers each number
2 for black - sell 15 Records per
Machine - 118 required 5687 records
daily for 6 days, 1600 for stock
or 7200 daily -

2nd month 14000 daily 20 new per
month -
4 " 20,000
5 " 22,000
6 " 38,000

8000 day
9600 profit week

7200 records per day is 28000
for 6 weeks cost is \$4000 -

2nd month	15400	} 6 week investment
3rd	22400	
4	29400	
5	36400	
6	43400	

Dice cylinder 1 1/4 million
on 30 day calendar basis -

Nehs how far ~~you~~ have
you got machine for 50,000
daily a what ~~more~~ required

Now ~~not~~ month behind
it is about it -

Wm B Parkhurst
for private Inspector
152 yrs old
once chief Inspector with 2

11/25/37
11/26/37
11/27/37
11/28/37
11/29/37
11/30/37

11/25/37

E Incorp	July	Aug	Sept	Oct	Nov	Total	July 15
Comps notes	15000	45000	50000	40000	53000	203000	
Customers "	28048	38127	26552	33389	1650	127767	
Mchdgs "	15000	50000	6574	20000		91574	422342
E Phone Wks			15000				15000
E Storage Bst							
Comps notes	18000	36000	107000	34000	21000	216000	
Customers "	16809	6144				29954	
Mchdgs "	8088	56227	36279	39394	22619	162610	401564
Total	85945	196496	284831	153357	118269	838000	

Cleaner for film
glycerine ~~not blue~~
~~prints~~

Work out a give to
transmits ~~exp~~ breaking
film joints

Get out improved ~~flow~~
powerful Motor # 80 # 60
Run 1 1/2 12" Records

Get small diaphragm & Disc
Reptas on Kinetophone

Portmors for Motor to run
new film making Machine

Get design of film plant
also of film plant across
Road -

Jones on recommended 85 V Motor
~~or~~
See Hesser why 85 V Motor
we got, ~~X~~

Get special Connection
powers Machine for
Kinetophone -

Run film loops on our
regular Kinetoscope
also Powers

Find out prices & qualities of
small Sea Machines

See how ice catches is used
if pumps work over

Ask Lead Dept about Holgrens
Patent, Hordes just
discovered in Boston -

Taylor on large idea & long
lever having big water to
Record voltage in any way

Stop ~~from~~ of 9
go to May

Take up on ~~APR~~ - put it
on test -

How about big pie APR?

test on painting slides
for APR -

Green - 19th	new	old
21	9	35
22	1	21
	16	18

listen to France of the hour
1350 square miles - never
would have been at
listen to original of 1350
see if something is same -

Nicolai - W. paper too
small sheets 4" x 11" in
& big 8 1/2 x 11 in

We have 1682 plates -
1450 up others -

Richard - Don't draw on
Lab bottom this winter

Daily acryl cel
it shall be both
micrographs
Keep 32 ft

Unfilled orders July 12 1973

Nico -

60 - 1837

80 - 1316

150 - 383

200 - 297

250 - 343

Higher 37

Cylinder Washers

2470

Cylinder Rockers

219194

attachments

202

Why not let traps open
go -

Big Phono 42 -

Microscope 2

Completed 8589

Remains 4938

Order for records average for 11 weeks
100000 shipped 964541

Mr Waitt Sharon Conn

See how long a Victor
Hector runs -

Simpson why not use
girls on ~~system~~ ~~Drum~~
attention

Storage Battery to April 30 1913

Customers' accts, 366 861 - all of except
demanding 30,000, probably get 40% or more

Edwin Storage Bat Supply Co, California its cash & goods of
JAE, building and new Ford addition, wagon &
goods, but by ESBat before check from E read
part of this balanced against other assets payable

JAE foreign deposits for batteries etc
E Chemical works 6726 - stands on
books at this figure, but the cost of the
plant as shown on Chem Co's books is
458,000, the difference being produced
by profits,

Pats 1,000,000, issued to E for Reints.,
250,000 these were given by E to the
Bond subscribers,

Patents chgd of $\frac{1}{4}$ th each year,

Mach & Equip. Gen R worth 30,000
Doubt, none unknown value
N J Exploration Co good

Liabilities

Royalties accrued sales foreign Co
Money advanced by E, not
including any ^{new} building & machinery
money

269,700 are open accounts on April 30

Notes 195,632 were issued to JAE Incorp
Phono Co for work done.

July 21 Bt balance 19,296.
Edwin 75,000.

Cement Works

2nd National

Dec	Aug 9	6670 - very
"	16	5100
Sept	20	5100
"	26	6870
Nov	5	4600
	17	4200

J S Rippell 762 Broad Newark
Alfred F Dennis % Post & Hwy Hurray Rdg
Newark

E Incorp Feb 28 1913

Accounts receivable

About 100,000 of low = 15,751 is due from Mina
Halogen Co pay in material - All is good but 22,536
these doubtful - think some can be collected,
Notes we have are \$ 112,198. \$ 11,320 is very slow
McGreal 12,028 is probably good except
H. H. H. disputed, he originally paid 38,000,
deducting everything leaves \$ 88,848 good

The Mortgage of \$ 6,000 is owned by us
+ is on a factory in Newark we sold 3 or
4 yrs ago.

Cie from case Edison, the only real value is
\$ 32,195 being goods on hand + good accounts

Foreign Debt \$ 38,6164, all good, active
stock of machines

German Edison Co - 44,133 - OK stock of
edm + phones on hand,

Lawsonics, finished Product, indend + diff,
all good -

Machinery & Tools OK

Musical Record Plant OK when depen subtracted
Furniture + fixtures written off on the principle
that all Co's can do their clerical work on the
floor.

Palmer + Son, all been paid since -
+ should be written off
Film plant, Phoenix Orange, 120,133 OK

Investments

French Edison Co 19167 - NG
J A E Limited London \$ 230,460 slight
Inventory 192000 - only 195,801, is good.
We charged off \$ 73,000 worth of
records - The account receivable of
this Co is \$ 107,826 same good.
The Co owes 64,132 - leaves \$ 203,460
deduct, 64,132 - gives 139,328. Value of
investment.

Motion Pic Pat Co 50,000 OK is just
Loves Point if it wins -

Investments

Motion Pic Pub Co 8,500. OK
 Australian Co 24,300 OK
 General Producing Co NG
 Phonograph Co - (Chicago) OK cash

Bonds + Cash reserves 31,541
 6000 NYC 3/4
 5000 W Shore
 5000 U.P. 4's
 9000 - E.R. bonds -
 6088 Cash
 31541 - Cash 25452 -

Sales - 1912-13
 4,851,646

Net Value 3,849,811
 116,000 662,300 -
 Actual Value 4,512,116

Fully this year started write off patents 1/17th of
 all each year

Doubtful debts receivable in hands of attorney
 F.M. Oliver 4,001.00
 Ball - Fitts 6,654.00
 Banks + James 519
 H. Goldstein 166
 Jas J Lyons 1840
 Mitchell Film Ex 564
 D. Shepherd 1594
 Sumner Storm 700

July 21 - Bank bal of 206,800
 must pay tomorrow 82,000 -

E.R. works -

Assets receivable 45,138⁰⁰ all good, ESB + Bates entry

Inventories finished product Raw
 Materials supplies 1,116,414 - all good

Cash Reserve had it, borrowed it double
 entry -

Accounts payable 197,858 - 83,340 of
 this is due E. except E. balance
 115,517 due outside for materials -

Machinery stocks very low.
 been deeply it for years + keeping
 it in good order -

Actual good - 1,947,451
 Over 377,858
 Over 1,533,666 -
 Value

Average Bank Balance Co of E. except
 from 1906 - 179,000 1913 266,000
 1907 199,000
 1908 - 219,000
 1909 - 241,000
 1910 182,000
 1911 442,000
 1912 428,000

(15.5)

50

17.4

$$\begin{array}{r} 32100 - \\ \underline{680} \end{array}$$

680 lbs 670

680 -

70
7

790

70 lbs

$$\begin{array}{r} 470 \\ 26 \\ \hline 2940 \\ 980 \end{array}$$

12740

$$\begin{array}{r} 172 \\ 141 \\ 121 \\ \hline 434 \end{array}$$

$$\begin{array}{r} 660.000 - \\ \underline{434} \\ 226 \end{array}$$

$$\begin{array}{r} 660 \\ \underline{226} \\ 335 \end{array}$$

June	226.000
July	335
Aug	300
Sept	250
Oct	150
Nov	267

$$\begin{array}{r} 1,250,000 \\ \underline{120} \\ 250000 \\ \underline{1260} \\ 1,80,000 \\ \underline{263} \\ 120 \\ \underline{113} \end{array}$$

$$\begin{array}{r} 1320 \\ 80 \\ \hline 105600 \end{array}$$

$$\begin{array}{r} 420 \\ 300 \\ 360 \\ 410 \\ 510 \\ \hline 1980 \\ \underline{15840} \\ 105600 \\ \underline{263} \end{array}$$

15 22 20
 11 60 0
 4 2 20
 21
 22
 23
 24
 25
 26
 27

40-

2-

15
 100-
 300 75-
 10
 6 1/2
 5 2
 30
 150-
 165
 6 60

350-
 75
 24 50
 267

14

262-
 350
 60-
 65
 68
 70

Moulds run 6 days (200 prints)
 25 Records 50 Moulds on board
 8.3 are discarded daily -
 Product 950 Prints
 Night & day 16.6 pulled off daily
 Product 1900 - 60% per 1140

50 on board - 33 moulds
 discarded daily Product 3800.
 60% 2280

75 on board 50 moulds
 discarded daily
 Product 5700 -
 60% 3400

100 on board 66 moulds discarded
 daily - Prints 7600 Records
 60% 4500

164 Baths 14 for white repair
 leaves 150 baths 168 hours
 weekly - Maximum capacity
 60 hours each 420 moulds
 or 70 per day

Tuesday - Many things in NY
Wednesday - meets Madeline at home
goes to meeting downtown in Eve.
Thursday NY all day
Friday - Lunch Mrs. Shapton
+ Madeline at dinner

Saturday (Scene violent) in morning
Sunday 3 hours automobile
Monday - away somewhere
Lunch sent down in
Eve. went to the City alone
dressed for dinner

Monday goes to NY
with Madeline to see Cora
since return death wish

Tuesday - Mrs. Upton appearance
Wednesday ~~at home~~

Dinner sent down!

Thursday over to South Orange
for lunch, didn't eat with me
but wanted to talk & get home
In Evening goes a dinner
Mary Meade, Shapton wife -
Friday Went to NY
Saturday Went away somewhere
Sent down -

Sunday put out in auto
Monday Women's Club
Then, Beaconing Park
dinner in Evening to
Worcester Club.

Wednesday all day Worcester
Club -

Thursday out for lunch
Friday lunch at Mrs. Shapton
then to dinner meeting

Saturday - Dinner at W Club
home 12:30 am -

Sunday Church -

Monday away in morning
dinner at Shapton -

Tuesday in NY all day

Wednesday Lost track

Thursday May 15 away
Lunch sent down -

55. ~~10~~ 7500 (13

38.
190
1900
2090

250
17 240
48
612
110
530
620

15 8000

20 12000

26 10400

12000

16

19

660

1140

12340

12340

4978

660

10000
660
3480

(15 premium

660 7500
660
660
2400

100

21.00

104 / 2900 (28

600 / 40000
3600
40000

660

55

2750

3300

264000

300000
4000000

Notebook Series -- Pocket Notebooks
Notebook, PN-13-09-24

The dated entries in this pocket notebook are from July-October 1913. The book was used by Edison to record ideas about business matters, experiments to be tried, and other tasks to be performed. Many of the items have been crossed out. The entries at the beginning of the book pertain to the finances of Thomas A. Edison, Inc., and other Edison companies, as well as to Edison's personal finances. Similar information can be found in PN-13-07-12, and some of the entries in that earlier book appear to have been copied into this one. The remaining entries relate primarily to the development and production of disc records. Included is data on production costs, daily production numbers, and salaries. Also included are notes and instructions about automobile starters, chemicals, batteries, cell regeneration, miner's safety lamps, and kinetophones.

Among the numerous Edison employees mentioned in the book are experimenters Charles T. Dally, William W. Dinwiddie, Archiebald D. Hoffman, and Sherwood T. (Sam) Moore, principal assistants in the development of disc records; Charles W. Luhr, superintendent of the West Orange laboratory; and Carl H. Wilson, vice president and general manager of Thomas A. Edison, Inc. The pages are unnumbered. Approximately 150 pages have been used.

	July ¹⁵	August	Sept	Oct	Nov	Total		
E Incorp								
C's notes		45000	50000	40000	53000	203000		
Customers		38127	26552	33389	1650	127767		
Merchdiz		15000	50000	6574	20000	91574	422342	
E Phos Wks			15000					
ES Battery								
C's notes		36000	107000	34000	21000	216000		
Customers		6144				29954		
Merchdiz		56227	36279	39394	22619	838000	401564	

July 23. Balance in
Germania \$11562
Merchants Ex 23048
Both have 55000 Cement notes

Storage Battery

April 30 1913

Customers acct 366861 all ok except Lamsden
30 000, possibly get 40% of this
Edison Bat Supply Co California, cash for goods & k
JAE btd acct New Ford addition, wages machinery
etc, but by E S B Co before check from E recd
part of this is against other acct, payable

JAE foreign depot for bats CR

E Chem Wks 61726, stands on books at
this figure but cost plant as shown on
Chem Wks book 4458,000 bat being
reduced by profits -

Patent 10000 issued to E, 25% one of the
given by E as bonus on bonds

Patent chgd of 1/4th each year

Plant & Equip Glen Ridge worth 20 000

Darby Mine Unionville N.J.

NJ Exp Co. in Co. good -

Lithium -

Royalty received from sales money
advanced by E Lamsden Ford acct

269 703 are open account, April 30

Bats 195632 issued to E Group
for work done

July 21 B Bal 19296

Edison Ford balance 5

E Incorp Feb 28 1938
account. Receivables

100 was slow - 15751 due from Ming
Hologen's pay in material, all is good
Except 22556, doubtful, probably some
collectable -

Notes we have are 112198 11320 is very
slow. M^o G's 12028 probably good except
4000 disputed, he originally owed 38000
Deducting everything leaves 88548 good

Mortgage of 6000 owned by us, is on
factory in Newark, sold 3 or 4 years
ago

Cie Havaags only real value is 32195 -
being goods on hand + good accounts.

Harley Dept 386164 all good, active;
stock machines,

Herman Edwards 44133 OK stock
films + phones

Our inventory furnished product
Materials + supplies all good

Machinery + Tools OK

Miscellaneous plant OK
when clean submitted

E Incorp

Furniture + fixtures written off
Sales wagons written off
Film plant Orange, Bronx
120133 OK

Investments French Co NG
TAZ Limited London 95801 good
assets, receivables films Co is
107826 + are good; Co own 64132
Leaves 203460 deduct 64132
gives 139328 Value of Co

Motion Pic P 50000 OK if we gain
unit, if lose to NG -

Motion Pic Co 8500 OK Australia 24330
OK - Genl Producing Co NG
Phono Co Chicago Chicago OK

Border Cash + Receivers 3154:
6000 NYC 3% - 5000 WS 5000 UP +
9000 Phono with bonds 6088 Cash.

Sales 1912-13 4,851,646.
Actual Value E Incorp 4,572,116, over

Buss 662 305 Net Value 3,849.811 =

July 30 1913 Bank B 209.000

E Phone Wks -

Accts Receivable 45138, all good
 Insurance 1116 4/4 - OK
 Cash Reserve had it, borrowed it
 Double entry -
 Accts payable 197 888, 83340 of this
 is due E Incorp balance 115517 due
 outside for material
 Actual good 1947 451
 over 377 858
 Value net 1533 666

E Incorp - Average B Bal several years

1906 179 000
 1907 199 000
 1908 219 000
 1909 241 000
 1910 182 000
 1911 442 000
 1912 428 000
 1913

Aug 7 1913 Cement Notes -

Notes to pay acts 34,707
 Discounted Union Natl 88 250
 " North Ward 39 500
 " Merchants Exch 50 000
 Eastern Trust 24 500
 Germania thru T & E Inc 54 500
 Union " " 5 000
 2nd National " 27 440
 Warehouse Notes Miller St. 40 000
 363 897

July 24
 Bank Bal 16 278
 Accounts Receivable 318 666
 Bills " 25 662
 Cheques 33000 666 18 191
 Current 165 000 107 269
 Bags & Coopage 60 207
 Store room stock 60 000
 606 295

Notes 34 707
 Accts pay 95 231 } 144 339
 Actual R & H 14 400 } 461 950 - 220

Cement

2nd National Orange
 Bus Aug 9. 6670
 16 5100
 Sept 20 5100
 26 6870
 Nov 5 4600
 17 4200

Alfred J. Deane of Post & Flag
 Kiny Bldg Newark

Unfilled order July 12
 Cylinder Mac 2470
 a Records 219198

Attachments 202
 Dues = 60 1837
 80 1316
 150 383
 200 297
 250 343
 Higher 37

CA4J

Dictating 42
 Kinetoscope 2
 Helands 8589
 Renewals 4938

CA5J

Orders for Blue A records post
11 weeks ending July 25
100,000, with shipment 96454.

See how long Victor Motor runs
+ weight on point.

Simpkins. Why not use quills
roughing diamonds

Why not let Traphagen go -

We have 16821 German S plates
14500 up stairs -

Get Catalogues Mfrs small ice machines

Connection ~~Kin~~scope to all
Projecting Machines -

Governor (Electric) for
Dictating Machine

Disc
New Kinoscope
Electric motor for discs

Design new lay out film plant

See about cleaner for films
get blue prints from other Mfrs.

New model motor for #60 + 80.

Arrange get Wm B Parkhurst
for private inspection 42 yrs old
once chief inspector till 2 yrs ago

Russ ~~X~~ehr

Castings for ~~top~~ ref. Posts
only 10 daily ~~X~~ 50 per lot

Estimated Sales this winter

#	Week
30	500
45	275
60	150
80	100
125	10
200	5
	<u>1040</u>

5 weeks supply costs 100,000.
or 20,000 weekly

Cylinder Records 30,000 daily
780,000 monthly \$95,000.
6 weeks ahead 118,000 required
19,666 per week.

Disc	
# 60	500
80	1000
150	250
200	250
250	250
Higher	25

4 | 2275 $\frac{1}{4}$ is 569 with

6 weeks supply requires investment
\$642,000

Discs 1000 dealers each to have 2
times in stock - Sell 15 records per
machine, requires on above sales
5687 records daily for sales +
1600 for stock, total 7200 daily.

If $\frac{1}{4}$ of above is sold requires
daily 1800 records,
with 7000 out each buy 8 times
month, we have in 2nd month
with 15 new times 2 each for stock
120,000 - 4610 daily

3rd month. 138322
 or 5320 daily -
 4th month 16000 daily -
 5 6680
 6 7360.

Daily JWA. Room etc substitute
 for Grosol sewin in disc blank.
 also Paraffin, rather resins.

Pick out disc records for Argentina
 & Australia.

Pick out discs for Stacks & Krumm

~~Any Rags for disc.~~

~~Modifier on Disc~~

Vic records on own Disc

Daily about using acetic acid
 as solvent acetylphloros
 & disphloros, caustic & miscible
 with most organic solvents.

~~For Talent on Disc~~

1000 records, ^{daily} cost later	24.7 cents each
1500	16.10 "
2000	12.15 "
3000	8.10
4000	6.00
5000	4.86
6000	4.00
7000	3.47
8000	3.00
9000	2.70
10000	2.40

158. June for Recording

July 24 1913 Cement work

Frank Bick	16278
Gerts Reaville	318 686
Bills Reaville	25 662
Cement 16500 ⁶⁸⁰ 666	107 269
Chisler 33000 " ⁵⁸	18 191
Wagon Coopers stock	60 207
Storeroom stock	60 206
	<hr/> 606 295

Notes	34707
last payable	95231
Overpaid payroll	14400-

Aug 1 1913	Wage only no Regular or Carbine				Cabine in slk	Stock	on order	Making
on hand	100%	75%	50%	25%				
Yards	500				450	25		24
Shindand	500				425	22		32
Home	250	500	1500	2500	400	2		37
Triumph	100	250	500	850	375	3		50
Ambs B	200	100	100	150	300	11		
Concert	200	100	100	200	290	0		77
Disc 250	250	500	200	300	275	4		52
150-200	500	500	500	1000	250 M	1265	2000	
Ambs 8 th		5000			250 O	601	500	46
Ambs 10 th		4000			200 M	400	1192	
7 th down to 6 th in Amb 6					200 O	225		389
Ambs V	1800	200	500	800	150 M	953	535	
" VI	2000	500	700	300	150 O	374		171
					80 M	505	2200	
					80 O	186		1300
					60	149		
					Ambs 1 m	51		
					" O	174		53
					III M	35		
					III O	58		80
					V M	402	1623	
					V O	267		736
					VI M	1929	new 1000	
					VI O	121		

6000000 g. and

75000 6000 10000 etc

Rosin softens at 158° Fahr
Melts 275° Fahr

Try if you can soft Rosin
softens same as Rosin +
find cheap substitutes that
will lower MP of Rosin -
Try wood Tar pitch -

Don't forget print Copper mesh
on grating mould, want stop
moulding -

See why wax can drop
4 mm + 2 mm wax
+ makes them Celluloid.

Ask YVM why you pipe
went so far Condensing
Water from distillation
furnace,

got total Cond. Solids
Wax Dist -

Dalbarn Mouth

Ambs 17200 - 50
 3-125 50
 4 \$100. 100
 5 80 200
 6 60 750
 8 45 2000
 10 30 4000

1787-

7150

17200

A 60 wood 2500
 80 2000
 150 4000
 200 6000
 250 10000
 Higher 250

1687-

6750

Dalbarn estate 2 1/2 acres
 Sept 8425 day
 Oct 10461
 Nov 12000
 Dec 13115

Schedule for Machines only
 Aug 1 + transfer

Amber 3 -	Mohogay	9 per week
900 300 "	Oak	3 "
" 4	"	25 "
" 5	Moh	35 "
5	Oak	15 "
1340 week	Moh	150 "
6	Oak	50 "
2000 in	8 (1150 week)	75 day 1000
1650	10	Oak 150 day 900
2260		
5410		

Disc Machines

	Week	Day	
250	Moh 180	30 day	5000
250	Oak 30	5 -	625
200	Moh 120	20	2000
200	Oak 60	5 -	500
150	Mo 72	12	900
150	Oak 24	4	300
80	Mo 300	50	2000
80	Oak 60	10	400
60	Oak (450)	75	2250

5483000
 month

1157 week -

12675

2413

$$\begin{array}{r} 480 \\ 120 \\ 700 \\ 950 \\ 700 \\ 250 \\ 450 \\ 900 \\ 1500 \end{array}$$

$$\begin{array}{r} 85 \\ 440 \\ 540 \end{array}$$

$$\begin{array}{r} 35 \\ 125 \\ 125 \\ 250 \\ 420 \\ 26250 \end{array}$$

$$\begin{array}{r} 15000 \\ 96 \\ 75 \\ 420 \\ 6120 \\ 7200 \end{array}$$

Ann 8- 99-
 137-20
 6-20
 34-0

$$\begin{array}{r} 32804 \\ 40 \\ 14120 \\ 77350 \\ 26550 \\ 15500 \\ 7200 \\ 14400 \\ 14500 \\ 77350 \end{array}$$

Look up Ricatta account see
 what cost what we have recd

Legal Dept Did not make
 some arrangements with
 Collections on program
 medium

Seated working on our
 Reelfi - a process

Kennedy - person need
 Kenetok. Radio pointer
 Electric recd along -
 Governor

Dick Rindolph on dining
 Village of SC to chgs
 15 cils from weapon

Moore about making 4 to 1 as
soon as possible

Keep track of printing Maslins on
Cellulose as how many times
marched blank print & numerous
gas, test prints -

Hayes got out today. Some
trials, well come in Evening
& test -

Preming leave Richmond's Reps
as can get them within 1000
away -

Wilson - Thompson
The funny part is, 4 of
them can't even buy the act
say a series of 6
also Reg a complete performance

Ask Smith how getting on
with Iron plates -

Ask Hoffman how ~~Reps~~ ~~trials~~
worked - get

Get answers from ~~Reps~~ about
Rising -

See Simpson about ~~Reps~~
+ grounds for points with
angles -

Look at New Model #60 80
see how many seconds it
does if ok so can turn it
over, to use after our stock
exhausted

4 ~~trials~~
Disc of Carb for 2" dia -
with thick for EMQ Kinetophone
make EM to use it -

Try hardening & bushing above
lay soaking in some oil
+ the pressing -

see if any more ~~Boys~~ voice
trials -

Next time ~~enter~~ Come
test in ~~Parlor~~ room 9
Music room

Go over & see the heavy record
return room & find out all about
stock etc,

Look up raised platforms &
Serpentine for storage
inert stuff -

How was they getting on
in ~~Conditioning~~ film drying
room -

Call - test ~~flashes~~ on cell
Make ~~Kendall~~ tapes -

Go over Bat's see how they
are getting on placing
Machinery - Tell Bach
about making showing volume
Gard Court - also 60x
for the 4 Bz -

Get list from ~~Kemp~~ Hoff of
things to order -

Speak ~~Bach~~ about
financing Tarpanes -

Look up about standards
on ~~Bruck~~ - what is it
being done for

See ~~Charles~~ on big
Realities -

Write Division of labor
thought any further on
The V. One for 4 corner
on plates etc
also dry films on Racks

Why not put a Edison in
mikes on trying
many plates. would like
Voc. Orix. if they will
fit - see plate and fit

Try Old Horn about a
Spare Creek for C. platina

W. L. Wilson direct
Thursday on 10/15th or so
get fixed -

Got some Antirrhinum sp. seeds
if Cant get mikes some
+ coat with lampblack in
Carbonizing - use it fine
than Platin -

Use disc phons in P. (ch)
room - was talking disc
etc in all experiments -

Try Bell Record and EMgraph

Dally - Try wet film
in vacuum see how much
dried normal temp or by
100 also 120 fah -

Dally see if 4/6 in
salin. Acetylase technique
so can use normal on some
have 4/6 in it -

Discord about
ordering of also. the number

Wilson do not have to
pay \$5 Royal to get KCl
on Kinetograph yet,

Wilson when he was get in
our new place in
London,

Like get Sales House V regulations
+ diffinit recs up to date
+ Bengtson put them in weekly
report also count stock on
hand + ship orders. —

Learning - ~~work~~ that Cabinets
on hand + ~~on~~ order all phones

Monday Aug 5
#32 was in Ford ~~fund~~ —

Kammhoff ~~Shoring~~
out, Iron posts by
acc cyfrindat —

Get Phenolates Salin Alcohol
+ add 1/4 + heat see report —

Plate No. 4 1/2 1/2 —

Electrolysis iron, Langbein-Hanbourn
+ C. deppig in letters, 1st time as
said as ~~the~~ iron was used now
in water after been iron sheets in
ammonia giving 1/2 hp gas
with the electrode man 1.3 hp
to free from hydrogen
Deposited at 100 to 120 C
in an iron salt mixed with a
hydroscopic salt such as Calcium Chloride

Krupp makes iron alloy
used in 1st try or 2nd trial
Nitrogen, 1st trial made at 100
+ 100 C

1/2 with 10% or more
Chromium 2.75% in alloy
up to 60 C + 35.75 + 12 C 3 Mol %
+ in the end Acquis Rega
boiling

See where Bergman
Mudd & Harby
make their nalgas
fergale over &
Cuslow

See if Emerson has made
the Auto grounds for
Dise Lamm

Davose to in Can
in boiling 5% KOH
separate Can no water
in let it go for several
hours then dry &
Corrugate.

Phenol is the best solvent of
acetylcellulose - Try it
in Vermorel with 6/4 - Drey

Diminution of acidity of oxalic
para phenylene diamine for
Copper bottle same with
ethyl acids

Moore 521 - See box in floor
room

If in hurry bring plates
in so hot you hardly
walk hand on -

Take up with 10 lb air
shutting off bad gas
Nels Can take care with
his own ship -

See Bachman about
~~Kammhuber~~ ~~Gooderhouse~~.

Take the men from desks
up to Nels for ~~explain~~ it
on report of ~~Chamberlain~~

What salary Nesbitt getting

See Galt about ~~testing~~
his new machine

Lanahan ~~drags up~~ ~~from~~
Perquimans ~~County~~ -

See Ford ~~Cox~~ ~~Stanton~~

Inspection Check again
Top plate powder proof
duty 10 disc of speed
599 bad pull onto white
other side or bottom all
good - Use graphite,

Use graphite on ~~press~~ ~~his~~
stamping before printing

~~Stop~~ Expense of ~~step~~ ~~buffing~~
only ~~works~~ ~~the~~ ~~graphite~~

Want see proof Calabry
~~Before~~ ~~was~~ ~~out~~, No
press ~~adjusters~~

Schedule of Production

Amberata III	12	week
IV	25	"
V	50	"
1500 wck VI	200	"
VIII	75	Daily
X	150	Daily

225

Diso A 250	17	25	Daily
200	12	25	
150	8	25	
80	60	76	
1160 wck 60 wck	75		

135

600
215 wck
month

Nehr Try do any
with Benzene use
Benzene

Warr about looking
up that Weston Aerial
to Pierce Dept near
now in Kumbury
Room - might do for
general use

Agitate develops
big pump (big and
better section 1/2 fine)

Full system for Developer
+ Depo-like plating
plant

Wash tanks normal. Water
Water is now filtered

Try Developer 13 at once

after washing dipped
1 run in 1 day, 20 lbs
180 gal water.

Good all for air pipe
in lower platform
soon -

Grains always send
latest from baths
up stairs so we
can always be sure

that they are ok
& not pick up a lot of
bad ones

See what is title of
Machinery bonds -

606 - Horribly rotten -

Schedule on Cranes
press of good work

7 Contact

2 on low

7 on high

12 Coal

91%

Subsequent supply
above this is good
as schedule

Reqschedule -

2 Contact

1 low

5 High

mean that
if allowed then
get only
50%

* Hoffman says
plates were hot

X darkened plates
from heat

606- 384 Vmunk $\frac{1}{4}$ more Penton #
607 521 " $\frac{1}{4}$ "
608 384 " 50% "
609 521 " 50% "

548 7.9% $\frac{1}{4}$ 3% Paraphenylenediamine
611 10% $\frac{1}{4}$ 4% "
612 7.9% $\frac{1}{4}$ 4% "
613 5.9 $\frac{1}{4}$ 4% "

Whereas

Dry Exp of 500g of lb of
Paraphenylenediamine by H₂O₂
+ dry - 4 use this
instead of Reg. Para -
see if given info that

594 all Rozen

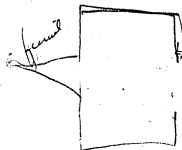
590 is $\frac{1}{2}$ $\frac{1}{2}$ Rozen + Caust.
+ 2% $\frac{1}{4}$

Dry Exp of hanging surface
powder blank with Halled
Rozen at 2 d.p.s



to get blank so comes more heavy
it off.

Boston prod R to New London
then to Portsmouth NH,



Box -

Remember the
Served at
monaghan

See get for Food lateral
right along of some PR
belius

Since we can make
good transfer with 521
Make some condense
submasters with 521 &
Print gold plate -

Each batch phenol Resin
Make test of 7, 9, 8, 5
to determine best 6/4
ratio to take care of
free phenol.

See if where provide
blank squashed out on
transfer with the plates
where second runs
out.

4 for more design paper in one
oven temperature to reach
350 deg for conditioning in
furnace

See Moore. Shown piping up
4 passes 1 man with all
cheaper help to load - few
transfer etc -

Find way to plate transfer
plates. Stop by permission -

Test that transparent sheet
Cellulose gave me info
see if can get cheaply -

If Dally or Chrysler got
good stuff make sheet
12x12 to test 10% - & test
use but Campbell

About making more
film Dryers -

Try 521 - seasoned for
diff length time in Lee
chest & also at 72° Fals

See if 6/4 decomposes
or absorbs moisture
& Haffum gets wrong
weight

Take up with you a test
method of determining
the 6/4 + free phenol of
Lack butch chemical
Review -

See Cellulose people
arrange for studies

Daily 33 3/4 to 1 3 1/2 to 1
or 3 to 1 dip on cellulose
to get smoother also

Same with Caecophor - also
press Cellulose between
parched paper as below
plates hot then dips
4 to 1 & less -
also try Caecocellulose
if it will stick -

Haffum & you How about
making 5000 lbs salad
phenol section + mix
then make 10000 &
test 6 rounds for
proper amount of 6/4 -

See result of the varied
proportions of 6/4 - Phenol
& para, above 10000
before 9 left

Find out from Bee the
total sets of battery that
have gone over 4 years
& those that haven't
& those which will reach
4 years month by month

Gold take up the Beano's
Camera & ask if we
can utilize it. Propagating
or taking - also basis of
new Construction for part
I don't

Have Dally or (all
got 1/2 doz 321 +
Bake with reg sched
but up to 325 deg

Sept 24 1913

Smith Reg up Beano's A
4 = Circled also Electrolyte
so to representant to 100.00 per
bales - also - Early Reg
asked Smith of B. good for B. also -
also about photograph representing error
Plot for life or victim
Stop strong. Even plot
reducing finger at top so
Quench the sleeping can
take place

See if Arsenic or Arthan poisonous
within Sunday amount JP

YWA Heat crude pent up to
temp of distills, then use it.

Reference Purser to State
head in Hypocrite Na. or B.

Ask Mason if they have a
good ammonia burner
+ if he could do some
more work for me

~~Walter Miller~~
~~Salad ingredients~~
~~House lot~~
~~Wax/Cup~~

~~Recommend of Glad~~
~~2nd lot~~ ~~7. 2nd lot~~
~~Made by Wilhelm~~
~~Franklin - Machine Co~~

Patent - Paraphrasing
for dies -

~~Ordering Paper on Ammonium~~
~~Salt for 0.5 air or~~
~~Ammonium Sulfate~~ -

~~See you find out how~~
~~we can get that nice~~
~~cellulose sample, which~~
~~he gave me -~~

~~Walter says upwardly~~
~~delay in new sample~~
~~is due to delay in~~
~~printing Miller~~
~~See McCleary &~~
~~Walter says paper~~
~~been 20 years~~

~~Hang Sale / 2 Hangs~~

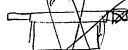
~~6 inches high~~

~~find out what is done
with old white
Masons, can we use
for experiment~~

~~Have the Disc ^{Recording} Machine
put in order by Luker
& lock up~~

~~fix the Union
Quadruple stopping~~

~~Put Diagram on~~

~~~~ gee 6" draw

~~for Fred Elton & take out all
material from old carts look
at it~~

~~& design it in the form~~

~~Try see if Exhaust will
work a fan or a simple Eng. or
ask for ideas for 'colony' dynamo~~

~~Bring along Plethron
Water Mites - 3 or 4 cells
to test things that are good~~

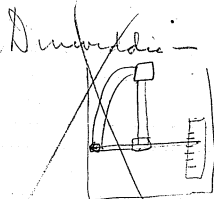
~~Swiss around 100 524
plates to take edge off
various & test~~

Matte surface Couple
Plates by mixing Trade
in 21% ~~test~~ —

Boffman Make ~~up~~
Gel Varnish with 15%
more 6/4 but work with
any Para or Paralex &
Keep in ice box till
I call for it —

See how Transp. plates
fit backing or halves —
perhaps something wrong
here

(Better mark back
of ~~plates~~ holding
plates in 1 press & see
if there isn't 1 or more
always make good
transfers —



Bengate
Salicylate
Phthalate
Phthalic } of Paraphenylenediamine

~~Low GLE~~
Pass Ammonia any int
Varnish after 6/4 Para + Para
is in (10) Reg Varnish & see
how it behaves on glass

See if phanal ~~expensive~~ ^{Don't}
with ~~Paxa~~ or ~~Prindition~~
also the other things
I used -

~~Hoffman & Fuka~~ How
about diagram in
Phanal digester

~~Iwa~~ about actual
good ~~Cabrieland~~ -

~~Pierum~~ make a
disc needed for white
Master to reproduce
using ~~Helphom~~
to get ~~lays~~ -

~~Make allusion~~ to go on
our machine to wheel an
Vic speaker can be changed
on -

~~Moore~~ ~~Edgely~~ 48 6 1/2 inches

~~E~~ $\frac{1}{8}$ + 48 $\frac{1}{16}$ circle
+ transfer or possibly mould +
~~can't be made~~

~~also 48 $\frac{1}{32}$ lines dia 48 $\frac{1}{16}$ lines~~

~~also 15/1000 deep + wide~~

~~Wanted long thin
with small diameter
in tube~~

~~change a mould to do it -~~

~~Select 100 most white
plates & 100 most patterned
flow some Vic make some over
wings some blends -~~ 1153

flow 25% plate, weather
 wipe with oil rag, which has
 been wet with Calor oil -
 25% det. 6 bars in air - Turkey Red oil
 Lanthan - Transfer and dry at 100°
 also only around edges wipe

~~Moore's Blanks -~~

~~1/16 10/1000 depression~~

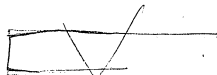


~~Moore's~~

~~1/32 mm dia hole
 then center
 gradually taper~~

Make some punch compounds
 little large dip 4 to 1
 Cellulose acetate or print
 from plates,

~~Moore~~



~~Blanks Moulded~~

~~30/1000 thickness at edge + 1/8 back
 for 3/16~~

~~Moore - new schedule -
 but before cooling reduce
 pressure to 300 lbs + cool
 dills 200 lbs,~~

~~After plates are removed
 from press put them in
 Chamber + pump air in
 till 100 lbs pressure
 detray Vane - used
 compressed air -~~

~~Moore - Plate~~

~~1/16 15/1000 deep -~~



~~Make fourfold small batch
 2 1/2 Para + 8 12 15 + 25%~~

~~Hx-methylating dills the other
 Champ oils that extend over
 also 15 + 25 Para only~~

Moors = I remember that there
is scarcely any instance where
if a plate sticks & must
be removed at all it has
cracks
Looks as if removal program
on platters was bad

Moors - do the plates fit
the holder in transfer
also out of 100 cracked
transfer or plates -
having one
on both sides & how many
on 1 side having the kind
of crack

also in deep transfer
and there very small
cracks along at edge
which might increase
in production

Get pay roll in Dec Dept -

Cut out dies of moorhills
with or cracks chrome
Chalk & lay on blanks -
transfer - -

Monnat, shipping in
chrome transfer

Bergman - Repay
the 45,000 borrowed off
Ford money & 50,000
from bank -
from gold payments

Dise Payroll - 4046 Moore & Co. 475⁰⁰ 4521⁰⁰ 475⁰⁰ 4521⁰⁰

1500 daily	30 cents
2000	22.6
2500	18.
3000	15
3500	12.9
4000	11.8

Talent	15.00	16.1
	2.00	12.10
	3.00	8.10
	4.00	6.00

Phenol treated with Oxalic acid
changes to a dye which is very
oxidation - Aurum - is Rosolic acid
try perming with K - Chromic acid
in Varnish

try Aurine from a dye

try Chlorine -

see if dilute HNO₃ does not
on H₂O without giving form
we planned to get a sample
for chemical analysis

Antique Dubois Music

try Cupres Chloride as
order in Varnish for
dura -

Lot, waxes all the
Ammonia with
Ammonia to get
bases - A test,

Try 6/4 on amine -

Alcohols and
try 1/2 lb. 6/4, on Ammonia
up to 1/2 lb. 6/4, highest 6/4 oil -

Deep Coralline yellow
with an acid get

Ammonia - collects an
acid

Use Toxi a disc machine

For wiping plates to leave a
seum - Castor oil

Lanolin

Cylindric oil

Oil Cade

Cod Liver oil

Sesame oil

Peanut oil

Guayun balsam Viscous oil

Caramel

Copal

also try sol waxes not alcohol

Blue (Ethyline)

Melting 9/1000


Diphosphorus Orange

Melting orange

Red Chrysodine

The plates could be dipped
using a little in a suitable
solvent,

Dye water dye removed
in thin film dope sheet
wear -

 This way

also, absolute alcohol 8 to 1

also acetylcellulose

Warm a record & play
while warm -

Brush over with acetone
in alcohol, ditto Benzol
also Benzol ~~with~~ with
acetone,

Take up with Cope
Dissolved absolute
alcohol -
get prize down

fundamental viscous soln
absolute alcohol to
put in slope dip to heat
graphite or Rosin

Cool. Use apparatus for white
Mashers, a room, a box for
each or water jackets &
Dry the air CaCl_2 -

Look in Micro flatted &
heavy graphite - also
try a little & float bath
small test also note
if Crude flake finer or
coarser than pure -

Worked on water Dye
Aminals - play once
a day see if rest between
helps -

Seemingly are belt on 80
strengthened by machine

Hedger got 2 doz balls
they use on No 90 +
req up for strength test

Take land surface
1000 ft. round, 1000 ft. radius
abt same as 1000 ft. radius
want 4 then again radius
in part of 1000 ft. Keep
on

Many more of 1000 ft.
radius than 1000 ft. radius
of 1000 ft. radius
of 1000 ft. radius - 1000 ft. radius
of 1000 ft. radius - 1000 ft. radius
of 1000 ft. radius - 1000 ft. radius

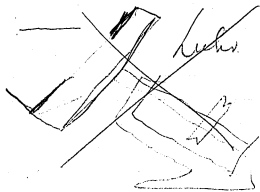
Pyffman Dup 678 with
15% Pent + 2 para

Pyffman always
about 1000 ft. radius
of 1000 ft. radius
all the same -

When let me see
the 1000 ft. radius
Cylinder and radius
604 ft. radius out

When let me see

3 Each of 1000 ft. radius
of 1000 ft. radius
of 1000 ft. radius



~~Moore use glycerine
2oz of Celluloid -
to prevent from warping~~

~~Glycerine
Use water & oil (oil)
Rough to ground second
very fine hour
brush - finish~~

~~Hoffman hatch: woods
1/3 chalk. ^{also for graph}
also talc. also - graphite - 1/3 sperol~~

Hoffman Chalk only 3/4 1 Crust.

~~Moore - Graphite a condenser
see how it glazes -~~

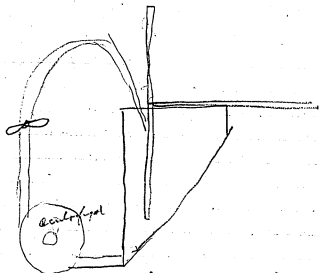
~~Dunstable - Make a
friction light scale
to test friction of
transfers -~~

~~Send to Ford the
Tech book on
Cost Trucking~~

Wear gloves, use 2 doz
transfer buffers & edges
coat with 2% sal
KOH, then wash
see if new homogeneous
also run over with
a Ripper to bring out
defects -

If polishing rect made
would turn out OK
Detail a Ripper Wash
make 3 500 Wash
pale yellow cellulose
prints to see imperfections
in surface -

Get some Electrochrom
to polish disc master

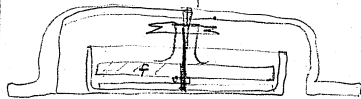


water or kerosene loaded
with powder for polishing
disc master

Wet top of Kermel wash
21% KOH & dry - then
transfer - if OK - make
a chalk cresal blank &
transfer this KOH Kermel
or chalk veneer on
powder to blank -

~~Amie Hoffman~~ is a geologist
possibly brush should go at
slight angle to mould & represented

Use powdered W Va lime
for polishing —



if blades rotating $\frac{1}{16}$ "
from record needles & light
wearing process in heavy
Kerosene machine

Yours look up by all
Peanut oil if saw
use them in places
wherein — ~~Open Ford use~~
small in yellow 18

~~Butch about~~
~~Auto stop —~~
~~want new one~~

~~Powder for polishing~~
~~Kieselguhr - Tripoli~~
~~Praseodymium & ligated chalk~~
~~inferior Earth~~

~~oxide tin - Rotten~~

~~Stone Carb Magnesia~~

~~Whiting Gully sand~~

~~Copras Spanish White~~

Moore tell lead
golds to save 2
big Reen oil record
such —

The Rough Mergers of
which I heard to
grind it 12 times -
at least some more
with profits or also
Mergers -

Moore. No. 1. Run only
in Cellulose - think it
sticks to the pulsed
of Cellulose -

Copy sent to Hayes
Meaning about flacker
Same date about getting
Tori Trade that got probably
numbers, together

See if Para will
Combine with formaldehyde
in water. ~~Exp.~~
Evap. ~~of~~ ~~last~~

Howler. Why don't you
get Compton's ~~High~~ ~~power~~
foundation of ~~and~~

See how ~~and~~ ~~under~~
my hand. ~~Exp.~~ ~~again~~ ~~of~~
sublimation of ~~from~~
to ~~the~~ ~~for~~ ~~into~~

Moore let me hear surface on
1/2 doz 1510 had Vennish
also print from No 5
on transverse made with only
top plates in racks in oven
& some from middle plates
Want test for RO - if works
good try 1 2 3 & 4
of the 12 series —

2 = Run through doz rack
twice & doz 3 times —
shifting plates each time
in rack — print &
let me test for RO
plate No 5 or any of
the 12 specimens

3 Listen to that time & heard
be of rough after grinding
M. Silver with a bit of
glycerine —

4 Collect 6 with no RO & 6
with note if more side movement
on RO disc, they may shrink
dif when pressure taken off.

5 Look at tracehead second
from the special 12 that
has the worst RO & see if
can see it —

6 get doz Brass or white
wood discs made &
transfer on them & print
see surface & RO

Doak a Record in hot
alcohol till Venners
can be separated from
blank

Moore what was $\frac{1}{2}$ quad
transfers from Louger
a very solid rule 9" x 7"
4" x 2" prints - also
would like hear
surface from a dog
The print NO 5 - 2
one of the 2 x 12
traveled to the end of
them

When you get supply
Polaroid - use 3% &
2 para & quad alcohol
acc. of RO don't diminish

Polish a Rugi oil
black Record rec
if RO disappear
May be ref in
friction -

Try the Egg with Murch
Chalk & Cressal resin in
alcohol on face blank
+ take - transfer -
try Lamp Black also

Moore
Dog prints, the transfers
which have been rubbed
with glycerine soap
test for surface film
oils - $\frac{1}{2}$ wiped dry
 $\frac{1}{2}$ not.

After Candy machine has
Run all day - look at
Wky m & then have
it mounted & prints
taken acc. how it
sounds - sub. to tape
another in machine

Moore what about the
35 & 30 ~~to the~~ ~~to the~~
transfer plates + transfer
+ 6 Cams

How about prints from the
baked transfers want
hear them

Put right amount of Para
in the Croxymethylene Varnish
Haffin made + have
Dally flow it + run
through oven

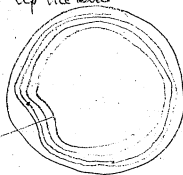
Moore to have girls
pick out some good
RO + note how
Reprint + see if they
are there just the same

Annual some bad run
out records at 175 deg
then see if plate there.

Moore - Have about the Exp
of Control 15 min instead
of 7 + prints to C.C. surface
+ Run into
if shows anything try 30
minutes.

Moore theory chilled
stems when released
springs out at round
ball runs to one side
+ up the side -

Step by
Step
hair



Lost on
the 12
Tracked
ones -

6107

for capturing cellulose
previst alcohols, Citric acid
in water.
Aniline acetate thick ad
sol water
Dichlorohydrin Sol water ad
Ethyl Citrate - "
Ethylene Chlorohydrin " thick ad
glycol Sol water
Methochlorohydrin "

Lundgaard & I
in the ~~Experiment~~
Biology ~~Experiment~~

200 left out blank powder
to make 2 blanks. Each
150 150 + 50 each
Hoffman make 2 each
4 Waver Waver &
point tracked blank
Vance & by sifting in more

See what we can
scream wood chips from
face if it can't get coarse

See Jones about getting
in new penum yellow
Molor in Ford Car also
flex drive between Molor &
penum

Halpin where are the
Record tests -

Nelson Halpin to get
black out 100 lead
scarlet & lead blue Record
for final test all def
tuned -

for the gauge
for test

Mudd - Make 3 wand disc.
See previous wand that misses
Considerable work on
in Cressat Room -
with chalk - but it -
transfer -

See Hoffman - Let him make
some chalk with Cressat
Rexon + dry like wood
chip - group - make
2 or 3 discs all of chalk
2 or 3 V-shaped cracks
show, then some mixed
25% 50% 75% chalk
with Reg. powder -
Make 6 cracks + transfer

Make 3 blank plain
+ 3 Recessed Reels
Chalk in -

Wilson - I am not kept
ported on Road show
recept - should get it every
week.

Moore - Let me hear the
double Conduits
transfer with chalk
between -

Flow 50 55 + 60 cc
transfer - want
near surface - tracks
blank moulds

Point blank
Reel chalk in - then vary
thick V-shape, Reel -

Try putting fill up voids in
surface of blank
Try black ferris, dark
Cement,

Hoffman make few blank
svences with highly calcinated
fine grained paper.

Give adit to Maxwell

Moore Talk out
12. Transfers looking
only when pressure is
off -

Moore if D. L. has heard
for a bigger deeply
new minerals in the
not make more Drip
Kneads -

Moore. Repress in transfers
press Reg. schedule, Blanks
with transfer paper each
side, to prevent sticking -
+ Then transfers out -
There will be no further
distortion of material &
the surface will be
smoother -

Get some dry clays
with heavy cone
rings - for disc

Moore after press powder
blank Cold all pressures
will elapse but use with
powder 5% Dry clay
bake, if it won't Gals
transfers without baking

See if a second ~~Kested~~
about 200 ~~will~~ gradually
obliterate

Moore use paper and review
blank at highest pressure
possible then transfer as
print for use of CR -

Find out ~~why~~ of Cassin
is not supplied

W. Lams, please keep account
of Value of daily shipments
of all kinds to ~~Examine~~
on our collections -

Houys got ~~and~~ Robin Gray

Kammurid - Turner
Richardson check them
up only 1 shipment note
Hartman paper 910

Ask Howard if ~~Chap~~ ~~has~~
used a ~~1/2~~ ~~rogon~~ ~~hany~~
with Carbon felt -

911 A Refractorless reading
Strength all required

Wells
Some of your records are
not filled & weak

Put fine surface thin paper
between 1st & 5000

Transfer - little bit

Blanket ~~best~~ transfer
or then between 1st & 2 transfer
also only get blank + 1
but think

Rec how strong paper
strip to get some
blow

Req up to Rec up + dry
40 lbs 20% Bunch

MnOH₂ - 20%
Cells - ~~10~~ B⁴

1st 2 part in. One gram each
of following - Req. 10%
1/2 gram NaOH, 1/2 gram Caesium
+ Rhodium - 1 gram
Magnesium OH, 1/2 gram Strontium OH
1/2 gram PbOH, 1/2 Ca Tba Sr

Next 2 cells -

1 1/2 grams each - Mn OH, CeOH, Co
CrOH, Co, Ce, Ba, Mo
4th, 5th, 6th

Note perhaps strong H₂O₂, long 100 gram
in B⁴ it can get in - or so much
suitable + make still stronger, 10%
still stronger

Notes Rec - (Bunch is good), 3 bottles Cl₂ gas,
Zinc, 10% platinum - gold, Si,

Another 2

Ti Wo Ws Sb Ar,

Another 2 S, Te Se B + K
KCl 7%, Phos Na Ir Boron.

possibly may increase the
growth of each + have less in
each cell - Idea is to

get catalytic -
(Nedidines, Carcinoides,
thorium, cobalt, others, rare
in another 2 cells

dry the seeds from all quit
from another 2 cells. Use 2%
arous Req. 10% each,

Look up Catalysis
Sand Kerosene mechanism
for all at -

We have split from foot
upward. Chop report or
last one by plates
or lesser divisions &
we will shade map
of US & find out where
to go for business

Put a muck on
making paper pulp
flavored home cheap.

Stomach. Bean &
dry pepper pulp
+ Ratzel muckel -
ground or aluminum -
standard proper checks
then press for a funnel
for pump

Can double the angle
of 6" pinion by splitting
it cutting right & left -
more quiet -

Wit fibers Residual soda
damp - then wit
with Chloride Calcium

Witch squeeze & dry
Witch Residual Calcium
not malleable but
softens -

Smiths - Requiring Iron
dry plate & dip in
Coke in KOK, little Tarsons
for hours then put in
Cell or add little
KOK in Tarsons Sol to
Cell & also by some
themselves Tarsons Sol

Did Leo Miller ever pay for his phone.

Brammell's Cell perhaps B. seems
more absorptive L.O.H., should be
240 grms L.O.H. to equal last
cell try 120 in B4 or on
much less in, change +
add more as on till get cell
Cav in - + if cant get good
results, make stronger
KOH B. gives so much
out put in few hrs. of
alkali enough for the but
not enough for the -
Can add excess of cuprous
L.O.H. up to 300 grms for B
if its absorb by B. - must
be B.O.H. absorb alkali in given
it out on change or the reverse -

Rec of Nitro B. +
Sulphate this will go
together

Cost of Run of Physical Room 875 lbs

1000 lbs phenol	7 1/4 c	72.50
600 " formaldehyde	8 1/2 c	51.00
12 hours labor on 20c		2.40
		<hr/> 125.90

144 Cents lb.

of 5/64 Cost in
17 cents

26.6 Reg 6/4

10% Harchell

15

25

50

100

150

200

250

300

350

400

450

500

550

600

650

700

750

800

850

900

950

1000

26.6 Reg 6/4

10% Rosen

15

25

50

100

150

200

250

300

350

400

450

500

550

600

650

700

750

800

850

900

950

1000

115

Transfers in a Ring limiting
pressure but print without
ring -

Charcoal + Ray's fibres
75% Charcoal 25%
Ray's fibres -

Ditto 75 Charcoal +
25% Ray's fibres without
6/4 -

Fred all varn 2 7/5 1803
Fred all - 7/5 7/4 of
7 6/4 when they come
there -

Dehydrated Resin
No Paula No Para
3% 6/4 5% 6/4

Ditto with 4% Paula
2 para -

Run Dole to hour
with Dehydrated Resin
Va 180.

Chisel in Reap on
Charcoal discs
to get good edge
Fred all steel chisel
Mill on charcoal

Plaster Paris, Reap
Cement, dry out &
press,
Charcoal Cowhairs
flock -

Uboori - ~~Flat Charcoal~~
~~lighter pressure~~

2 min No Contact
Then Reg schedule

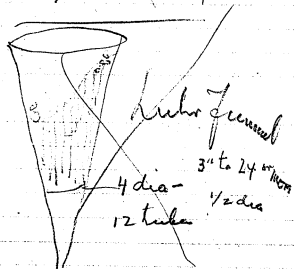
Ask Wilson for
balan letter
can read from Eos Post
Shot & Coat each

Licks ~~Hamlet~~
~~breasts in~~
~~ambulance~~ 8 & 10

See if Bulb was
written to Pillsbury
in Re. Mammals
Canton Belmont

~~Diminished~~ ~~Insulated~~
~~showing~~ ~~funnel~~ ~~long~~
~~on perfectly flat glass~~
~~& heat glass by Elec~~
~~to melt surface only &~~
~~chill~~

~~Open Backing~~
~~bury 3/16 filling~~
~~under etc for~~



show Demographic Bureau
standards on 5000 plates
put mainly on sound
absorption. Get make
the measuring instrument.

Down all the / hours he'd
350 Henschel's &
a lot of the organs
=

Droughtless necessary
pressure in the floor
while running
with 10000 ft. of
gas. Getting 10 ft. of
gas.

Like can't we put worm
down for on a comb
get up new worm down
motor like gas and

" Bee to help / either Ford
or Billy Gray /
Couple motions right off
by Ex.

Demographic - see if Dye
does not replace the
Cop without current
sending profiles across
my hypothesis.

Graves ground oneself
four inches 10 kg
Moulds & 1000
print of double range
30 ft. when use it
on 30 ft. 5% black
fine ground high press

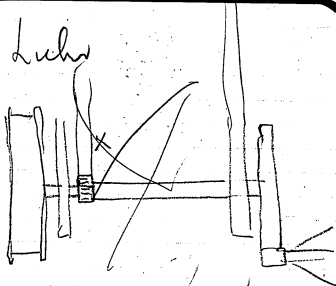
fred ott $\frac{1}{4}$ as
cellulose on a fine
ground $5\frac{1}{2}$ lb. ink—
etc if stop

Grinding iron mix
Calc. fine ground in
Chillian Mill

Hellman mix 100 plate
 $4\frac{1}{2}$ Tetrachloroethylene
 $2\frac{1}{2}$ Paraphenylenediamine

Also $4\frac{1}{2}$ Itra Map only
Teel on fine ground $6\frac{1}{4}$ $5\frac{1}{2}$
Blame

Luho



also why not cut x
gear smaller to allow of
 $1\frac{1}{4}$ shaft as above
turning down if necessary
to $3\frac{1}{16}$ for pinion

fred ott put $3\frac{1}{2}$ or 4 lb.
of 719 powder Chillian
Mill or as much more
as possible ground till
good as 2 hour sample

Billy Gray Telegraph

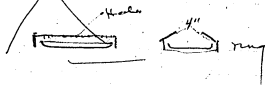
Generator is 3 amp 1000 Rev
Consumes 10 mule hours
5 amp on full load 1275
8 amp at 1800 wearing
ground of Curve (a day)

Apple Telegraph

Dynamo 5-amp 1000 Rev
self Reptin type doesn't
Exceed 6 1/2 amp at
any speed -

Daily
Have 2 doz Rygs in
place around the
Vener plate to keep
atmos. in. (what is
stop running and
1/2 doz covers with

Daily
holes in top 1/2 hole 1/2
closed



Low 6th for blacked
flashed peroxide
Manganese Magnesium
oxide

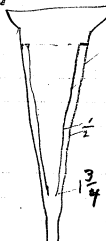
Belt 40 3/4" heater belt
23.5" for belt

Beat up some sulphur
pulp paper

Watch
Halt test trays
in laboratory RR test
bush

(125)

Leads



stiff
stiff-

Echo framed.

Huffman Moore 719
3 1/2 to 1 also 5 to 1

Try Varnish with no
6/4 in then 26.6
out 1 1/2 of Room 2 1/2
6/13 1/2 of w/ 4 level
but small plate use
No pencil, for Paper

Moore 4 transom 719
Req'd. then 2 edge 1/8
smaller -

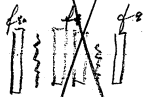
2 edge 1/16 small, put ring
around a 1/2 in. then
remove - for wire -
ditto per

Moore when are the
60 & 90 per. presents on
719

Moore & Graham measure
up some other material
for thickness & for
plates - perhaps
three not but Central
at Edge

perhaps 14 men too
much hardening of times
so don't forget to print

Smith - take one of
the new 10: Cables and
assemble with double
the wires



big pockets, think -

Daily test you
Collation on plate
if does while you
have water in it &
in person - Kears should
be cold & for moisture

Have we ~~planted~~ new
way ~~good~~ -

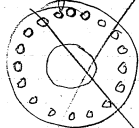
Kammhaff

Unter ~~clavets~~ new plant

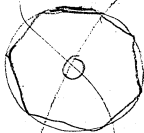
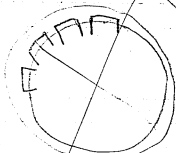
Take No. 4 Cables in H
plant near hole only
hard to clean -
why put some leaves at
Reidner & others at H
plant, Bid one down
that way for waste of
room -



~~Pulleys for~~



~~Cork inserts~~



~~Moore fix up stronger
bench to get stick
records off wall
full out. Blank is
hard now & can make
it poury feel -~~

~~Moore Sch
Double transform
for Christ also
hydrogen -~~

~~Had all tube balling
for over to John R. Co.
see if they can coat it
with 1/32 Hard Rubber
also use Rubber cloth
near to slow -~~

Dolbrer

gives order put on
make two then suddenly
Zaps slap -
Gave order put on Mergers
Then found he had 1000
in stock,

212 ~~Waters to transfer~~
1000 lbs - no gas -

Moors flow 500 plates
sweep edge to slap
Clutch a Van running
up hill -

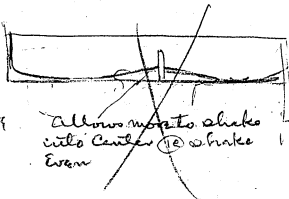
See if new blanks porous
paint slightly before
baking with high
viscosity Reg Varnish -

Bake 50 blanks (new)
in oven with Reg plates
then transfer at 5 lbs
pressure 3/4 inch Contact
7 min 800 lbs/area
5 lbs steam in 225° Fahr
Everything will then not
go below 225° - A u o g a
use reg new blank with
p. 225 - 225 lbs 5 lbs
steam - no contact but put at
800 lbs steam 2 min 800
Note direction of sharp
end of birds -

dotted release
pressure
over

200 Reg plates with
6% Paula 3 Para
ditto 6% Paula 3 para
to stop birds leave
Syntharosis - strips
Edgar -

Transfer new blank
12 flat veneer plates
little, 12 more veneer at center
less at Edg -

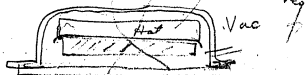


Allowing plate shake
into center @ shrink
even

Control 5 min - ^{little press way down}
then ^{bring up to center} Heat 3. Control
then 5 High at 800

1st operation causes
Veneer to leave plate
perhaps on 2nd schedule
it will not again stick

Drum roller

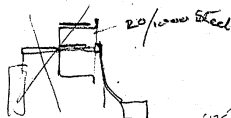


Vac strip veneer

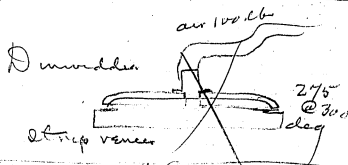
Lay plate on steam plate hot
over it lay new blank &
put plate over & weights
180 lbs - 20 min long temp
lay it - Fred ate at Dally
do it

Wilson - ~~Witch~~ order
for Cunningham Machine &
Atlas schedule to suit
keep pay roll down

Lucks



(135)



New idea - ~~Schedule~~
 7 min. Contact
 run up in 2 1/2 seconds
 to 800, then run back
 to Contact or Coal.

~~ditto~~ 7 Contact run up to 800
 + instantly Coal keeping
 pressure on

~~Schedule~~ - ~~Same~~ paper face
 of Veneer to be set hard
 shell - then 3 Contact at
 900 - Coal.

put 10/1000 dots of putty
 over each plate of "Bleed"
 Press to Contact 7 min
 Coal I want to be
 Cent stop and Contact
 also use back
 Planks baked in Oven

~~ditto. 3 min Contact. 800 high
 see if it requires plates -~~

~~ditto with baked planks
 baked in Veneer plates over~~

~~Meadocraft - get all
 the formula + information
 together like V. Miller is
 getting - For Condensate
 Rain Refr - Varnish, +
 whole process,
 also with recording way
 by ~~run~~ blank + rods to
 fit when troubles come~~

~~ditto to battery.~~

~~Blue cement -
 flaking cylinders + Disc
 moulds - pressing
 baking etc. use boxes~~

Daily Experiment to get less Var
oilier part by cleaning soft
Var from 2 logs & around 2 joints

Moore. Why not have some
plates 100 - flattened, -
possibly can anneal,

Wilson - How abt representative
in Boston Phila. St. Louis -
Norham Aclema Pittsburg
Detroit Cleveland ~~Cary~~
a steering them with
big set & follow with
small ones using Daily
like Chicago -

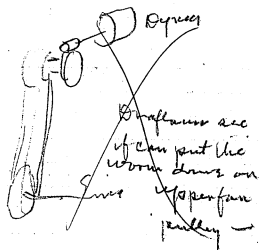
Moore, What spec plates
have you on hand? I had a
lot made spec's be saved
get numbers from Buffon
& test on new blank
Especially note Paul & Pass
Should be up to 2000 plates

Daily
see my book where I have a
other things not yet Alchab
used wipe plate with soap
adhesive - I make lot of
plates then treated
think I have a Penna oil
batter Daily make

Daily with
Amalgamates 2 plates flow
& test.

Walter Miller - who were
Chorus in "Call me your
Darling again" goes

Dumondie - What would
full Chaps have 4 pour plates
P. hand make a new turn
upward - leave PP in chaps hole



See Wilson & Ward a
state what he is to do -

Moore, Daily schedule
225 - did we make it
what was second
& if OK we would
do it again for season
new 6 banks - important

Hayes Regd Sun & pick all
times we want quit an apt
needed

10 lbs steam
6# heat & run, plates all
down - run up fast as
possible to 300 lbs pressure
moment gauge shows 5
let it down - so all
pressure & steam turned off
then cool

Get from McCleary
Cost of adobe, Nahruljuls
& Daily papers like
Babylon's Song

Economy many reductions
Costman make report

~~Hoffman Make some
1 to 1 with Reg amount
of Vaseline oil +
4. make blades print
direct without using
transfers - Experiment.~~

~~The cause of buds on
short schedule is vines
not bound all over
Red inside on cooling
Bound vines pulls away
from unsecured~~

~~Best remedy is proper
Scraping in to Red & link
so Vines secured all
over~~



On hand

Reg 632 - Baked 160°
" 60 cc
" 200°
" 260°
" 700 cc
" 90 cc

722 - Reg with 1/4% Zn chl
678 - 2 Para 10 Penta. - 8.4 6/4
737 2 Para 12 " 5 5/4 - Remelted
736 2 " 4 6 3/4 "
735 2 " 4 5 5/4 "
734 2 " 4 5 6/4 "

~~Lesson - Practice of Taking
from 1 dept to another is
bad piece work attitude,
rather for break in a run
she goes to another dept &
we lose the breaking in it
cripples -~~

Compressed air chips
Cleaner for Washers
1 for Europe 1 for Miller
1 Here - New one Dismantled
is making -

Wilson - A61 getting a
C. Encased idgt. to start
A Class - ~~good~~ -
+ Economy in use for factory

Schedule Making 1/2 tank

Heat Exchanger 3

Try 1200 pressure
+ 1/2 tank on
1/2 tank

Also 3 Contact
500 for 5 min -

Lead to surface of small
transfers -

Print 10 min at 500 lbs

Print 10 min at 500 lbs

see if any heat Dismantled second
new copy out from 1000 lbs

see if any heat Dismantled second
new copy out from 1000 lbs

Lead at 1000 lbs 1/2 tank 1000 lbs
see if powder fine enough -

Lead to 1000 lbs 1/2 tank 1000 lbs

Print 1/2 tank 1000 lbs

Lead to 1000 lbs 1/2 tank 1000 lbs

see if 1000 lbs 1/2 tank 1000 lbs
see if 1000 lbs 1/2 tank 1000 lbs

Try 1000 lbs 1/2 tank 1000 lbs

55 schedule

Try 1000 lbs 1/2 tank 1000 lbs

for 1000 lbs =

Try Double transfer on new
1000 lbs 55 schedule -

C1451

7. In contact on 5th with horns
up-down to change angle of
repeller bar to see if any
diff in results - hole platen
of Ernie & that in Chem room

~~Amundsen if rough density well in
new slope makes such a horizontal
to matching branches (female side)
even with the corresponding count
it tend to be somewhat off~~

Make 6 ~~blank~~ blank full
pencil lines 180 mesh 575ch
of material - 4 per cent

Hygulle ~~garden~~ Xesene in

~~Trip to the library on stripped
Vehicles on parking -~~

~~Try Double transfer on 55-
using a stopped 100cc
dropper, it will transfer faster.~~

Try ~~cellulose acetate~~ blank
Vampers. ~~cellulose acetate~~ & dropping
on lacquer mixer E

14 off - 5401
+ 6 to 1, 6/4 61 -
softer - screen well -

Look at Durrell's Track
Land blank under the glass

Print Stripped Transcon
10mm at 600, suggest 67mm

~~My daughter says -~~

~~Double transverse may be
thicker $1/32$ inch & raise
angle of suspension back
& soften action -~~

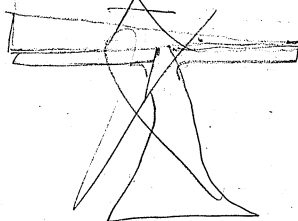
She how flat 55 records
are & thickness compared
with Reg & thickness angle
Repper change

Perhaps change of angle
of Presides level is one of our
Greatest trouble if found
so - can then new blank -

Diminished Routs and your
Revolving too slow in bath

Make Blank upstairs 2200 -

Wilson - Report of
Re at show hat sides
for 3 60900s -



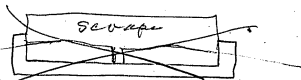
Regulator's measure
section of revolve
do thickness of
slits, not good

Let's how is ~~the~~ ~~new~~ ~~model~~
Coming on ~~new~~ ~~model~~

Academy get last music
Sentimental song
like ~~Sweetest~~ ~~along~~ ~~even~~ ~~last~~
~~Call me your Darling~~ ~~again~~

Whom's Dubnys
Nuzha

Performance of
Rena + 6/4 5/2 in
powder, perhaps can repl.



to
Maore start reprint
on new blank see how
many times it keeps
going —

Lick turn up a
sample cork
for idler & go to
newark get price
per 1000 $1/16$ more
die to allow for
finish — only
best cork like
sample —

Legit Dept + Wheel about
Miners Pump —
+ Victor Register on our
more

find the formula for
the Candalaria disc
+ samples if can
~~too~~ talk via Candalaria
best to work with —
stand ~~the~~ Candalaria
+ Lott making
Cylinders records for
Pierman to test
Lott's disc making
but + separating works
+ discharging off —
Especially Candalaria

Picman Rig up 2200 on
cylinders make 1 1/2 threads
+ these Disc recorders +
track deep enough to make
a razor edge side walls to
test new recording wax

Heat record - say tracked
blank up to 200 + run
repeats over it see if
great pressure of ball
don't iron down surface

Give Lancham the heavy
liquids for running
Lancham - ~~Sidekick~~
Barney

Hard have you ordered
celluloid discs -

to make a better weld
think should use 1 1/2
Pura + a little Panica
in blank -

Silver Lake Well 15 to
25 ft deep - 10' a lot -

Smith Take a B. cell. +
assemble with twice the
amount of HCS 2 1/2 -

||||| Langer Can

gall - Why not have a
speed index like
Milly has on the
recorder why not
also have about self
winder

Beam with possibly Bi
big Cells needs twice as
much γ s because Bi may
not be saturated by the lower
voltage of the same amount of
 γ s in big cell but is by the
2 γ s in small lead cell -

The Bi window design goes
metallic & makes a net
work conductor - This is
probably true of Cobalt
& 20% Cobalt with plenty
not ~~not~~ shown as
same thing. It acting as
conductor till all Ni
is reduced. This is proven
by high results in dipping
Cone Chl Co.

Try ~~20%~~ A4 with double
vires or dip tubes in hot
Cone Cobalt Chl & process
by Kott & back out Chl

Use new tubes never wet
& soak 24 hours

See how much Cobalt of
we have & if Miller get any
want 10 or 15 lbs. if not
order it.

Transfer Press

20

2 Contact

1 Low pressure

5 High pressure

Cool

24/

132

12 | 100 | 83.3
90

25 | 0 | 0
0

6000
4000 2 | 2000
2000

75 | 000
7400
67400

11
9.

1350
270
1080
5400

1050
54
1026
5130
11
1026
54
97

1050
54
1026
5130
11
1026
54
97

125
~~125~~

125
3
375

1.4
3
4.2

970

833
12
1666

833
99
999

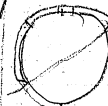
988
988
855

855
855
6240
10760

25 | 1320
125

420
3.75
45

5



8 Presses

4 Steam

8 Cooling

3 minutes per unit

15 - 40

110 5000
550,000
550

80
648
20

128
640
7680

18000

10800

110
170
9700
11000
181
24

3600

110
3600
66000
376000
396000

1017

$$\begin{array}{r}
 4000 \overline{) 4521} \quad (11.73 \\
 \underline{4000} \\
 521 \\
 72 \quad 200 \quad 4000 \\
 \underline{144} \quad 45 \quad 120 \quad 60
 \end{array}$$

10 to 6-25

$$\begin{array}{r}
 16000 \\
 \underline{1500} \\
 800
 \end{array}$$

$$\begin{array}{r}
 1600 \\
 \underline{1000}
 \end{array}$$

8000

$$\begin{array}{r}
 160 - \underline{1350} \quad (8 \\
 1280 \\
 60 - 1.9mm \\
 8 \overline{) 60}
 \end{array}$$

$$\begin{array}{r}
 483 \quad am \\
 48 \quad am \\
 \underline{104} \\
 635 \quad 50 \\
 21 \quad 24 \\
 213 \quad 226 \\
 46 \quad 600 \\
 506 \quad 85 \\
 500 \quad 60 \\
 253 \quad 0 \quad 125 \\
 404 \quad 627 \\
 500 \quad 1 \\
 1243 \quad 1 \\
 185 \quad 22 \\
 111510 \\
 37170 \\
 483210 \\
 45 \quad 22 \quad 72 \quad 110 \quad 1650 \\
 110 \quad 1650 \\
 22 \quad 6 \quad 240 \quad 1040 \\
 75 \quad 13 \quad 150 \quad 2250 \\
 2250
 \end{array}$$

Notebook Series -- Pocket Notebooks
Notebook, PN-13-12-05

The dated entries in this pocket notebook are from December 1913 and January-March 1914. Some of the entries were made at Edison's winter home in Fort Myers, Florida. The book was used to record ideas about business matters, experiments to be tried, and other tasks to be performed. Some of the items have been crossed out. Included are technical notes relating to disc record blanks, film developing machines, electromotographs, and batteries. The business-related entries include notes and calculations on phonograph and record sales, production numbers for records, phonograph demonstrators, advertising for phonographs and kinetophones, a new kinetophone plant, and copyrights for disc recordings. Also included are statistics on orders for discs, along with notes on musical selections and recording artists.

Among the numerous Edison employees mentioned in the book are Carl H. Wilson, vice president and general manager of Thomas A. Edison, Inc.; William Maxwell, second vice president and head of the Phonograph Dept.; Walter H. Miller, head of the Recording Dept.; Harold H. Smith, chief of the Battery Research Dept.; and Sherwood T. (Sam) Moore, one of Edison's principal assistants in the development of disc records. The flyleaf is inscribed "Ent final April 28 1919." The pages are unnumbered. Approximately 125 pages have been used.

PN-13-12-05
E-1710

Ent final
April 28 1919

★2996
1/5
20

Dec 5 1913

Gall whry not ~~have~~ speed
index like Miller has on his
recording mach. -

Silver Lake ~~with~~ Kaminshoff

How about Little Para +
Penta in 5/16 5/4 7/19 blank
to increase flow

Heat tracked record (Condensate)
to 200 that has crackles
acc of ironed down

10000 Records Net

Hoffman	27	Presses	90% good
Transfer	27	"	85%
Print	18	"	90%
Treat room			85%

Leaving 7 Extra presses


Try Experiment Cottony Etc
in speaker of desc

Paint cover #19 blank
with high viscosity Varnish
bake & transfer

Get sample roller Cork
& have Brigg get
samples prices

Jones to try them
X roller felt,

Luther Hoke is Australia
X worn model
Coming on

 of thickness of felt
measures ovality

How about Compressed air
Chip Exchange for Mexico &
Europe

Learning - Bad practice. Take
help from 1 dept to another
bad

Wilson - How about
Representation in larger
Cities. Wilson will soon
join them. We will
have trouble to
get them

Mendocraft start
General formula -
Amberal
Dose
Batter
Silver + etc.

Talent on Disc

1000 records daily	24 cents
1500	16 "
2000	12
3000	8
4000	6
5000	4.86
6000	4
7000	3.47
8000	3.00
9000	2.70
10000	2.40

Cost Phenol resin 875 lbs Resin

1000 lbs phenol $7\frac{1}{4}$ c	72.50
600 " formaldehyde $8\frac{1}{2}$ c	51.00
12 hours labor 26c	240
14.4 cent lb -	125.90
with 5% 6/4	17 cent lb.

719- 4 to 1	3.4c per lb
3 $\frac{1}{2}$ to 1	3.68
3 to 1	4.10

Woots - How about repeats
No 719 - Records

Learning - Don't Simpson
use q's to roughen
Drumheads -

Q's - Look at progress
on film doing q's
How about cleaning for film

Hear Known Stacks

Get a sample for day work

See H. C. Jones

Modified Disc

See about V. C. after our
disc - adopt Model

Try all, How about more
for Emigraph Chalks

Try hardening the SiO_2 by
soaking in SiO_2 water on CaO_2
+ exposing to air - EMG

Diminished - false phenomena
also more

Try effect of $CaCl_2$ on
phenolates

Write Langbein pen house & C
diezing from my 3d they
have been made for sheet in
for sale for metal -

2 or 3 better
than 50000 more

Smith - Colloid Latent
scents on reagent
Fe plates

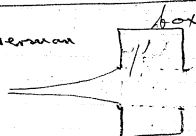
Think $5\frac{1}{2}\%$ SO_2 soaking
Reducing Fe against $CaCl_2$
will reduce all of it

Thick plate
CIV

Batch - what ~~some~~ of
aids develop ~~film~~
Machines -

Harry Keller - when are
Mrs Batchers notes due

Pierman



Remembers Sven at Monaghan

find out what is done,
with old white machines

forming sheets of
condensate - wipe the
surface with oil
so some more trace
flow Van a Baker

Bj - Notes

- 1 - Chy & dis 100 volts 1 cell to sec. if smf has anything to do with it -
- 2 possibly H_2O_2 formed & we need catalase like Lw
- 3 perhaps needs Hg
- 4 Get also books of animal test cells & obtain full record of B. Cells the preacher & I -

Wipe surface of Varnish with Koff & transfer on 719 blends.

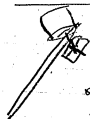
Listen to Choruses
good - Call me yr Darling again -

Wilson - What about
An Economy Man for whole
works -

^{Wilson}
Maxwell - about 1st class
Decker in the kitchen

Bing - give me number of
good & better times & trade
picked out as far as
how many we have records

See Drafting in Re
Screen for 719 powder



Extra piece on
hammer off prangs to
stop double knock
like W/Loading Head

See Gones about last
Construction on 948 By

Bring to House
for Max & Ursula -
Carmy Nelson one time
year -

Follow by Auto (w/engines)
& pass a holder for
some -

Ask Kuntle if he made
up tires & calls
with great excess was
I met him 2 months ago

Old old books said if I used
Sulphate of Cobalt
where dipped 24 hours -
after that, get an old
Cell disconnected Ni
+ soak out well &
dip 24 hours in the
Cobalt & reassemble

Ask Smithy if any of
the Reg. old cells &
bored the regenerators
are running

Notes - test the Records
with twice the rubber
on - investigate the
cause small amount
of Rubber now on
records

~~Belly - Dip some discs
with Gamme Xamphos
added~~

Daily. req. 1/2 doz
put in closet with
pans of Chl. Calcium
or Quick lime

4 B4-B1 cells $12\frac{1}{2}\%$
in Hatched after dry

Wilson at present rate
large Dises are going
we should look
ahead for Cabinets

Perhaps little ~~(K Sulfide)~~
will destroy quantity of
Fe plates

Dec 5 1913

Tunes on hand

Instrumental

Very fine - Beautiful

Recorded 12

12 originally

Good -

Recorded 167

Not recorded 68

Songs

Very fine

Recorded 2

2 originally

Good -

Recorded 148

Not recorded 94

Light & Grand Opera

Beautiful & Very good

45

Not recorded 27

Good - 273

Not recorded 167

Total Unrecorded

356

Look at slot in disc Governor
+ fix it so don't go delirious
on get out. Hardened pin -
buffs + slot burnished.

Leaving - (What is out
Penta Cooling)

When we get near Blank
young with take up
Exhaust getting rid of
Penta by a cheap
substitute + certain.

Exhaust with Seeburner
Cellulose dip to stop
Snaps.

Twins track new
Candellum + now water
~~the~~ ~~Leopold~~

Expt on getting from
Electrical Recording
material - also to
Electrify & take off chips
When recording

Expt on getting the
Disc from slot &

Settle pulley on
Ford Dynamometer

See about blower
blower & graphite
bearing for both blower
no oil

See Bec about
head lights for
Ford 20

Follow Up Vic ~~corn~~
~~all about~~! ~~Legal~~
~~Dept fund & we saw~~
~~us the Union & Vic~~
~~Speakers~~

~~Pres - Why not let~~
~~Thompson go see~~
~~Indian Cycle &~~
~~get us a Chinese~~
~~food argument~~

Smith gave me 4 il)

passive virus -
dip in acid &
immediately
put in K&H, -

Smith Reports
from 2 days

~~Smith, also ⁱⁿ ~~the~~ ^{part} ~~of~~~~
~~and ⁱⁿ ~~the~~ ^{part} ~~of~~~~
Blondek & Miska
Passes to Canada
of plates will go,
and for 3 members
walk out keeping it
at home until
nearly all of over
then Rex Reg -

Smalls - also drop 4
Gr in weak sol
Sulphate Copper +
weak out in panel
to run 7

Smith's phone was
Running 90. -
Starting Release
Pattern Selling Organisms

Nobody to go + start clean
+ show how to sell -
Old Smith wanted
know how to ad -
was demonstrating on
150 all through land
a 240 -
Smith (even wash
for somebody to
come around -

~~Micoali-Halpern
have we anything
to prevent young
high class SS~~

Wheeler-Blackwell
Train 6 near Blackwell
good address 90

[31]
 Brown Arch. Co.

Chorus

Rebours next again - not
very good. Are there
4 = then 3 comes to
balling at times, coarse
& sharp -

Walter M. Very not
more times like Nelson
gray all together &
loud like that,

Killarmy Not good
superiorly outrageous
president

Lady Loe, fair
pretty good balanced
just about right High Ranges
out clear but not too much

like me Killarmy balanced
is all out of balance

some Day fairly
balanced saphrums just a
little too loud -
Chorus fair -

Kiss Waltz Not good
sharp like Nelson which
sounds like noise over
which you hear a
saphrum,

Short Tange Gold
Tenor & Saphrum balanced
just right as to volume
fair to good, not sharp
at mellow Chorus -

Afterwards
Chorus fair but
Tenor proportion too much
in volume -

little child shall lead them
only hear C. u. & Sophronius
in Chorus -

For you + chorus
fair, ~~the~~ there is a
sharp voice in it that
disturbs. Mellow this is
authentic on his middle
recitals - Fair -

Native English Song
not good, sharp -
intense

Funiculi Funiculi
Chorus sharp -
mellow -

Old Kyrie
fair -

Love other Bird
fair - some interference

Sophronius
fair to good.

Carminbach's old Va -
fair to good, balanced
fairly Except Chalmers
predominates a little
too much

We have no out to Carminbach now
Sophronius predominates
but not much fair -

Binds and coming
interfering, sharp
~~too many things~~ that
good.

Relent / Neglect
far to good Chorus
Soprano & Tenor
nicely balanced as
to volume - Well
balanced with 3 -

Hee as a Bar

good = that was predominant
little to remedy, if less it would be
perfect -

Swart Day & Day

far to good but Chorus
predominates where he
comes in -

Worst you write of / Her
intended in just right volume
Chorus not good, sharp comes
too many voices
just before the battle
should not have been a
Soprano in Chorus &
Can't hear any - Rather
coarse

J V Miller - Have we still
got Caball Router up -

Romeo & Juliette
was a note that
blasts - 2074

^{down town}
Smith, ~~March 15~~
Indicator ~~not~~ night
Orders were to ~~have~~
pin in ~~no number~~

~~Look up Victim records~~
~~at House & bring~~
~~down to Lab.~~

~~Look up last 6~~
~~Written Trials for~~
~~Chips~~

~~Moore - How do chips~~
~~on last few seconds~~
~~we put them for Miller~~

~~Moore - Don't let girls move~~
~~index with recordings &~~
~~have them tempo to 80 &~~
~~set it - Then after 1 or 2~~
~~hours time & see if OK~~
~~& then Every 2 or 3 days~~
~~time than full walkquel -~~
~~Changing index frequency~~

~~See when how get on with~~
~~Screen~~

~~Index Conclusions Songs~~
~~Collocation~~
~~Saptrains~~
~~Temp~~
~~Recitation~~

~~Diets - Tenor Sop~~
~~Baritone Sop~~

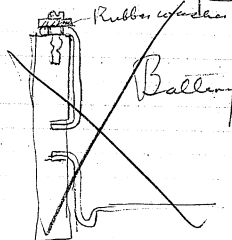
~~Conclusions & Collocation~~
~~Comes~~
~~Tenor & Baritone Tenor & Bass~~

3 days

Harry Pienman Repair for W. Miller

Jones - full ~~Currie~~ -

How about pulley test do Galt



See how ~~Moore~~ puts two
Celluloids together -

Try thicker dope ~~on~~ Celluloid

~~Wilson Maxwell~~

~~Have rec'd 2 Complaints
10 5th day no one in
Dinner + Arrange
to Have 2 or 3 good
demonstrations in
all-around all the
time after admt~~

~~Wilson Hendric~~

~~Black good record
now of all kinds -
not pretty just what
is called for but
standards good~~

~~Tiq~~

~~See Drawing Done
Controlled, Disc~~

~~Wilson Max~~

~~Our Men go around
to Readers + See
if Men are
well regulated
dills 10 5th day~~

~~See if Men Order
have full assortment
demonstrations
Records - men go
around -~~

~~Make what to be prepared
from Printing Clearcut
H.S.~~

~~Has Audubon & Argentin
Records + Shipping~~

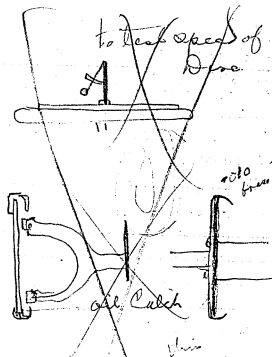
From all newspapers
are to print 6 ~~pages~~
without label for use
as NO 2 ~~Master~~ ^{with NO 1}
~~they put~~ ^{with NO 1}
away

Woods Very important
was not 4 to 6
NO 2 Master of
Europe of American
pieces &

Waring Black for record
at dealers -

Woods test speed & Re
set & report on all
governors & do same
next week & work

Italian Street song
not as good as Victor
listen & if no
Cut out & have
it taken over
get Victor & then
Beat it &



Get Machine with Norton
New felt and to oil
on disc govt & test

Also get run calch for
oil from Lubricator

Where is the Time regulator
for Disc - dial making

Where is the person for
blank powder

Fly Wheel on Mandrel of
cylinder & worn drive

test & plan new records
Monday

Chief Draughtsman
Design 1" higher Gate
position in cables -
"Cable"

See Norton how
Gate lead yellow on

See McPherson & Wilson

Admits in Boston - also

2000 just a American -

Prepared to expand 3000

Boston 2 Hartford 1500

Expressed dello H. H. Brown

800 Portland 300 in 2 other

plates - 3000 St. Louis

2000 Washington -

1000 Philadelphia

2000 Detroit

3000 Cleveland & Cincinnati

5000 Minneapolis

1000 Toledo

1500 Buffalo

1000 Philadelphia

1000 Milwaukee

1500 Los Angeles

2000 Frisco

Toronto - Albany

Caligates

800 Louisville

35000 net
M

Jan'y 13000 Mar 10 per month -

Jan'y	13000	Each month	daily
Feb'y	17000	13000	5000
Mar	21000	21000	6539
April	25000	25000	8077
May	29000	29000	9610
June	32000	32000	11150
July	34000	34000	12300
Aug	36000	36000	13070
Sept	38000	38000	13850
Oct	40000	40000	14600
Nov	44000	44000	15380
Dec	50000	50000	17000

Amber 10 make longer
box & better funnel

Make new diamond for
amber. smalls so go to
bottom & see what comes
is to improve quality

~~Have new search boat to
check names & test it
or Dally test in 21~~

~~See Learning about more
grounding & learn got
Symptoms~~

~~James Remble~~

~~Opal test~~

~~About getting worded
to be done soon~~

~~V. unresolvable~~

~~Get line from Hoffman
of making he will
not use the powder
already held~~

~~Repair man stationed
Chicago, Boston etc~~

~~Dunwicks - Graft on
white & black & then
track it & then re-graft
& photo~~

~~See Morrell (Ochs)
about new Adols~~

~~Don't know whether
my approval~~

~~See Treton about Losen~~

~~Make up 2nd Camerilla
by Henry & Mary
or better~~

~~Lipman Contrived
if he gives notice
then he can't have
right to bargain
to furnish cars sold
So I can't deal
with others for
freedom -~~

~~Wilson. to write
My dealers who
do not sell on
installments is
prefer them to
the action that do
not lose sale
to us -~~

~~W. Miller Works up 3
boxes without Mercury
till Smith put on test
& try voltage curve &
Capacity at temperature
from 100 down to
34 Fahr.~~

~~tell W. M. boiling water
will work quicker on
dry type plate
fused in base
"hardened" -
+ make 1/2 lb. for each~~

~~Chief Dr. Krim
see type in my new
Electric - notes &
Hinkle~~

B22 get Blue pencils
of present balking box
Paul Wilson, Henderson
JMC - Baker Anderson
& other Crude maker
R.R. & Beach Cars ^{all the}
Want go over all

Trudell Chief Engineer

Vibrating the screen

boat be successful
it by levers & pump

Write Bergman
about building in
Lithia

Morgan road for Bergman
Ashmun where road
he camp for Lithia

Who is the instrument
Ending - Happy Monarch
Champion - these
are fine -

Praxis Sulfur with L.O.H.
Wash fire L.O.H. very big way
Wash L.O.H. fire & L.O.H.
then assay to see if L
Combined with Ni

test our ore for phospho-
rus & combine with L.O.H.
also Nickel hydrox -
& H₂O. ^{est}

~~Rees about steel for plates~~

~~Still nothing out man
Established by company,
System of Clubs -~~

~~How many Dublin
Records, half way
& if we have contract~~

~~Backman about his
badness - must call
off -~~

~~Listen to sleepy
Rose Vard
Something wrong~~

~~We know much to be
thankful for Vard
Greatest things
of Christ in service -
Listen -~~

~~A Summer girl
good fine~~

~~Happy moments
One of the finest
musical concepts
we have this type
is perfect, sharp
soft in singing
& the other words
just as they are when
not singing~~

Control - heart before
down - glute no
at throat level
happy, it
control heart lower
better all high flute
is clear in the part B D -

Maliguan only
down Control alt
or Mazzo - no high

Father's Air Away
82519 - Cesneros
Sings flat, all say
Bad, tries reach up
note a falls flat (10)
below - ~~unintelligible~~

fler as a bird -
Chorus pretty fair

No place like home
Chorus fair better than
fler as bird

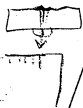
Swallows
female dust food -

Treasure Valley all
mixed up ill defined
Noise in it Saw tooth.

Hayes makes up complete
list of all songs
Carnes was singing on
Victor -

~~Who rung 80119
good voice - Karelase~~

~~Moore we get a good
many records / scratches
so they sound -
and it come in
Nimboing etc -~~



~~Reproducer
on disc~~

~~Catalogue - How about
Nimboing Conductor
50' 80' Together -~~

~~fix for Bro photo~~

~~fix up the new plating
table to Rush things~~

~~Has to arrange Peaks
got branches in other
Cities~~

~~How about Fred C's
across~~

~~Arrange for John
Disc list & hard page
Some for it See Supplemental
list plus by issue &
arrange flying list~~

31st Dec if all was here & all
 that went in battle to 31st
 lower out was covered
 present 52 times / 26 Dues

Viola - plays + also violin
 best builder is Ocho
 higher - Or A violin -
 plays + another one is
 stronger & adjusted
 So its an octave higher
 then no beats can
 take place that
 can be heard

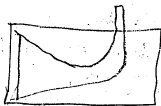
Walter Kuller
 Your fluted makes
 at time wind rush
 notes when not
 long after it starts

Tremolo is caused or
 can be caused by one
 Chord vibrating say
 256 sec the other
 259 - This will
 produce 3 beats
 per sec, if one side has phlegm
 other free -

Horn notes

64 sec	105 m/sec	8.7 ft
128	52.5	4.35 ft
256	26.25	2.18 ft
512	13.125	1.09 ft
1024	6.5625"	
2048	3.281"	
4096	1.64"	
8192	0.82"	

~~Old Hinchbury Ellis -
Raleigh all other
books on board &
sent to house~~



Cutting this short 1/2 to 1" in Amberala X late wavy
go in box & affix it
Long -

~~What will you get do
with it
Big man had chrys
of it -~~

Why does the ~~only~~ Electric
Lighting Co in the US
who has pioneered more
new things than any
other Electric Co
~~has~~ any & great
Storage batteries
& why do they buy
Edison batteries when
they could have got lead
cells for ~~1/2~~ ~~1/3~~ ~~1/4~~ ~~1/5~~ ~~1/6~~ ~~1/7~~ ~~1/8~~ ~~1/9~~ ~~1/10~~ ~~1/11~~ ~~1/12~~ ~~1/13~~ ~~1/14~~ ~~1/15~~ ~~1/16~~ ~~1/17~~ ~~1/18~~ ~~1/19~~ ~~1/20~~ ~~1/21~~ ~~1/22~~ ~~1/23~~ ~~1/24~~ ~~1/25~~ ~~1/26~~ ~~1/27~~ ~~1/28~~ ~~1/29~~ ~~1/30~~ ~~1/31~~ ~~1/32~~ ~~1/33~~ ~~1/34~~ ~~1/35~~ ~~1/36~~ ~~1/37~~ ~~1/38~~ ~~1/39~~ ~~1/40~~ ~~1/41~~ ~~1/42~~ ~~1/43~~ ~~1/44~~ ~~1/45~~ ~~1/46~~ ~~1/47~~ ~~1/48~~ ~~1/49~~ ~~1/50~~ ~~1/51~~ ~~1/52~~ ~~1/53~~ ~~1/54~~ ~~1/55~~ ~~1/56~~ ~~1/57~~ ~~1/58~~ ~~1/59~~ ~~1/60~~ ~~1/61~~ ~~1/62~~ ~~1/63~~ ~~1/64~~ ~~1/65~~ ~~1/66~~ ~~1/67~~ ~~1/68~~ ~~1/69~~ ~~1/70~~ ~~1/71~~ ~~1/72~~ ~~1/73~~ ~~1/74~~ ~~1/75~~ ~~1/76~~ ~~1/77~~ ~~1/78~~ ~~1/79~~ ~~1/80~~ ~~1/81~~ ~~1/82~~ ~~1/83~~ ~~1/84~~ ~~1/85~~ ~~1/86~~ ~~1/87~~ ~~1/88~~ ~~1/89~~ ~~1/90~~ ~~1/91~~ ~~1/92~~ ~~1/93~~ ~~1/94~~ ~~1/95~~ ~~1/96~~ ~~1/97~~ ~~1/98~~ ~~1/99~~ ~~1/100~~ ~~1/101~~ ~~1/102~~ ~~1/103~~ ~~1/104~~ ~~1/105~~ ~~1/106~~ ~~1/107~~ ~~1/108~~ ~~1/109~~ ~~1/110~~ ~~1/111~~ ~~1/112~~ ~~1/113~~ ~~1/114~~ ~~1/115~~ ~~1/116~~ ~~1/117~~ ~~1/118~~ ~~1/119~~ ~~1/120~~ ~~1/121~~ ~~1/122~~ ~~1/123~~ ~~1/124~~ ~~1/125~~ ~~1/126~~ ~~1/127~~ ~~1/128~~ ~~1/129~~ ~~1/130~~ ~~1/131~~ ~~1/132~~ ~~1/133~~ ~~1/134~~ ~~1/135~~ ~~1/136~~ ~~1/137~~ ~~1/138~~ ~~1/139~~ ~~1/140~~ ~~1/141~~ ~~1/142~~ ~~1/143~~ ~~1/144~~ ~~1/145~~ ~~1/146~~ ~~1/147~~ ~~1/148~~ ~~1/149~~ ~~1/150~~ ~~1/151~~ ~~1/152~~ ~~1/153~~ ~~1/154~~ ~~1/155~~ ~~1/156~~ ~~1/157~~ ~~1/158~~ ~~1/159~~ ~~1/160~~ ~~1/161~~ ~~1/162~~ ~~1/163~~ ~~1/164~~ ~~1/165~~ ~~1/166~~ ~~1/167~~ ~~1/168~~ ~~1/169~~ ~~1/170~~ ~~1/171~~ ~~1/172~~ ~~1/173~~ ~~1/174~~ ~~1/175~~ ~~1/176~~ ~~1/177~~ ~~1/178~~ ~~1/179~~ ~~1/180~~ ~~1/181~~ ~~1/182~~ ~~1/183~~ ~~1/184~~ ~~1/185~~ ~~1/186~~ ~~1/187~~ ~~1/188~~ ~~1/189~~ ~~1/190~~ ~~1/191~~ ~~1/192~~ ~~1/193~~ ~~1/194~~ ~~1/195~~ ~~1/196~~ ~~1/197~~ ~~1/198~~ ~~1/199~~ ~~1/200~~ ~~1/201~~ ~~1/202~~ ~~1/203~~ ~~1/204~~ ~~1/205~~ ~~1/206~~ ~~1/207~~ ~~1/208~~ ~~1/209~~ ~~1/210~~ ~~1/211~~ ~~1/212~~ ~~1/213~~ ~~1/214~~ ~~1/215~~ ~~1/216~~ ~~1/217~~ ~~1/218~~ ~~1/219~~ ~~1/220~~ ~~1/221~~ ~~1/222~~ ~~1/223~~ ~~1/224~~ ~~1/225~~ ~~1/226~~ ~~1/227~~ ~~1/228~~ ~~1/229~~ ~~1/230~~ ~~1/231~~ ~~1/232~~ ~~1/233~~ ~~1/234~~ ~~1/235~~ ~~1/236~~ ~~1/237~~ ~~1/238~~ ~~1/239~~ ~~1/240~~ ~~1/241~~ ~~1/242~~ ~~1/243~~ ~~1/244~~ ~~1/245~~ ~~1/246~~ ~~1/247~~ ~~1/248~~ ~~1/249~~ ~~1/250~~ ~~1/251~~ ~~1/252~~ ~~1/253~~ ~~1/254~~ ~~1/255~~ ~~1/256~~ ~~1/257~~ ~~1/258~~ ~~1/259~~ ~~1/260~~ ~~1/261~~ ~~1/262~~ ~~1/263~~ ~~1/264~~ ~~1/265~~ ~~1/266~~ ~~1/267~~ ~~1/268~~ ~~1/269~~ ~~1/270~~ ~~1/271~~ ~~1/272~~ ~~1/273~~ ~~1/274~~ ~~1/275~~ ~~1/276~~ ~~1/277~~ ~~1/278~~ ~~1/279~~ ~~1/280~~ ~~1/281~~ ~~1/282~~ ~~1/283~~ ~~1/284~~ ~~1/285~~ ~~1/286~~ ~~1/287~~ ~~1/288~~ ~~1/289~~ ~~1/290~~ ~~1/291~~ ~~1/292~~ ~~1/293~~ ~~1/294~~ ~~1/295~~ ~~1/296~~ ~~1/297~~ ~~1/298~~ ~~1/299~~ ~~1/300~~ ~~1/301~~ ~~1/302~~ ~~1/303~~ ~~1/304~~ ~~1/305~~ ~~1/306~~ ~~1/307~~ ~~1/308~~ ~~1/309~~ ~~1/310~~ ~~1/311~~ ~~1/312~~ ~~1/313~~ ~~1/314~~ ~~1/315~~ ~~1/316~~ ~~1/317~~ ~~1/318~~ ~~1/319~~ ~~1/320~~ ~~1/321~~ ~~1/322~~ ~~1/323~~ ~~1/324~~ ~~1/325~~ ~~1/326~~ ~~1/327~~ ~~1/328~~ ~~1/329~~ ~~1/330~~ ~~1/331~~ ~~1/332~~ ~~1/333~~ ~~1/334~~ ~~1/335~~ ~~1/336~~ ~~1/337~~ ~~1/338~~ ~~1/339~~ ~~1/340~~ ~~1/341~~ ~~1/342~~ ~~1/343~~ ~~1/344~~ ~~1/345~~ ~~1/346~~ ~~1/347~~ ~~1/348~~ ~~1/349~~ ~~1/350~~ ~~1/351~~ ~~1/352~~ ~~1/353~~ ~~1/354~~ ~~1/355~~ ~~1/356~~ ~~1/357~~ ~~1/358~~ ~~1/359~~ ~~1/360~~ ~~1/361~~ ~~1/362~~ ~~1/363~~ ~~1/364~~ ~~1/365~~ ~~1/366~~ ~~1/367~~ ~~1/368~~ ~~1/369~~ ~~1/370~~ ~~1/371~~ ~~1/372~~ ~~1/373~~ ~~1/374~~ ~~1/375~~ ~~1/37~~

Smith & feel over

12 gm $\frac{1}{2}$ will grow
higher levels & probably
go to lower temp

Feel this -

When the depolarizer
diminishes to a certain
point & the metallic
surfaces increase
you get gas & this means
loss of economy -
With great excess
of iron this critical
point not reached

Get from L. Old enough
if new process $\frac{1}{2}$
to make 2 or 3 picks
a hour then take to
Silver Lake & make
standard for photo film

See Kamm half about
furnishing plant & get
rid of major & big expense

Smith = take B. & S. cells

5 gram Antimony K in
and 15 in water

30 grams in water

also bring over old
curves book showing
charging Mr. Hart & do
cold for opportunity to
take a look

See G. m. what becomes
of Luther's claims

Beed did allman (was any
our battery in their new
trux -

Smith - Every month
part 2 $\frac{3}{16}$ Equus
to A4 up for
Endurance 20.9
can guarantee

Smith get ~~copy~~
Ten lbs very
without $\frac{3}{16}$ A
make 2 $\frac{3}{16}$
& 2 A4 cells for
Endurance

Wentworth ~~Where is~~
Ward Leonard Repley

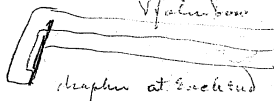
Secularism heavy
Anselmi -

Look at assembling
rooms at ~~oaks~~
& ~~teaching~~ -

Luther new ~~groom~~
Rue long test
into Requisition
& retention of
oil

2 Cells ~~and~~ $\frac{1}{4}$ a 2- $\frac{3}{16}$
 Twice the gross at dump
 Same flake - R. J. Underwood
 Extra 72 9 gms equivalent

Smith - Try 2 + 4
 Gross Phosphorungelate
 of K in Cells 2.15 2.11
 ditto Borocodframent K



Shapen at 2.06.12



Collected 40 kg more sept
 $\$64^{\frac{3}{4}}$ daily - which is
 about 2.2 cents gross
 on 3000 daily output -

Harry - Wilson check
 once month to me
 + I endorse it to
 W

Pkg Remington
 Redond

Leaving keep on with
 felt in govt to hold oil
 till we feel out
 Run oil holder

Speak Hatch abt ~~John~~
Spent him -

Fred Ell - ~~has~~ about
Hard Rubber ~~for~~ cutting
hurry it -

Ask Miller ~~if~~ hurry
up that 5 grain test
for Lotti ~~make~~ -

do not increase
tax - ~~must~~ take
before ~~the~~ 1st
of ~~month~~

Bushman - ~~has~~ open
Nickel tubes, both now
& Nickel from bad
Cells, Fed in both
bad - 3 Cells, each
send over to me

Have they erected 1
Sanitary bldg across
from 21 To Lake Care
cellulose -

~~Days ^{give} me numbers
of records of Records
Martin that have
been issued by the
post to months!~~

~~Walter Miller To save
Expense & get right
Voices without
noise trials with
Piano or 2 or more
Voices for each turn
ahead & then
decide - 1~~

~~Sunderson - \$250
for it put order~~

~~Walter Try Chamberlin~~



~~Flows put 2" of hair bag~~

~~Think that trouble is
Echo interference -
philis don't put down~~

~~Simpson - Design
Clock - release by
Mog - 10" or some, on
paper scale -
hear more release
How about 1" w/ 100 w/ 100
+ 1000~~

Simpson - Dec of
Business Machine Cant
be used - or better
a friends with
multiplex -

Walter Miller
how about
Harry Lander
for Cy & Doc

Premier Run were
down stairs & lay
our machines all
with new goosons
with & welland new
oil run -

Dec off I have patented
the ball in the horn
Harry up model -
ball is best but get it
right - handle on Request
Ball longer I think -
my Gallon ditto
wool - wool waste
wood fibre we make
blankets of -
Ask Lutz put man on
it special & keep him at it.

W Miller - 40% said you
Maurice Tange ~~Harry~~
have used required
from 2 or 3 4 from
Babson - its a very
poor thing - its heavy
many complaints that don't
darker than too fast sun

out covered

Mozart
Ave Verum Corpus
is celebrated for wonderful
pure & smooth harmonies
on examining it ~~it is~~ probably
found to be very sweet
effects. None but major
chords & ~~off~~ chords of the
dominant seventh,

get it

Get the two books
4/11 from 14 to
21 —

Halpin - next
book on 250

Machine Work
felt. Let me hear

Moore - rather take
25 passed record
recently made run
over full record see
what percent bubble
Snap develop -

See Drayton & lay out
new Kinophone
plant

See Simpson about
thick wax record

Patent all the good Chem.
for mixing with Varnish
find from Smith. Now
2nd to a Cal. L. Oll
Iron Came out,

Harry Foxford
Hard rubber Cell
Support,

Hager - List all Records
Carnes has along -

Lancaster / Anselmi
Contract,

Learning make list
What we can use
at Bisher 60% of Cost

Pierman - Had 144
artificial hairpins

Chronograph - Contact
on 12 days disc or
clock

Moore when can you
use Explainer talk

Hoffman - Have you
succeeded in getting
up new books -

Reply to Goodwin woman
Chickens,

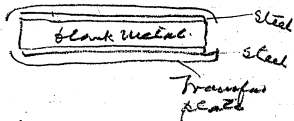
Unless Record, finished -

See Logan of English
film -

How about that old for Celluloid

Rec how many press
offspring get ready

Woods, How about
Pans from D. Jones -



2 Steel plates
transfer on -
single face record

Smith -

Found record John
and 4 from big Cills
get back by fully
Chg & then also check
against Can several
times -

Important +

find out who ^{good} times
marked good when

Recorded and roller -

Get from Hayes those
Repeated that were marked
Good - 2414 yellow

who was given by Newman
& many others judged from
Pans or D. Jones -

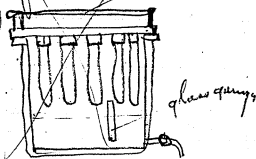
Hayes get me some
prints of some of
Late records
I passed to Callahan

What I works is most used
in England - "I don't know"
Man what scotchman ask is
this good heavily water, up to
2nd water, up only with
water

Try grinding for
Wicks Callahan record
with Vienna lime or even
Chalk. Lime or its dry
& test -
do this on pulverizing
medium is used to
pulverize Copper record

also try dipping it
dittos grafelizes very
heavy & test looks on
it - if good, plate
for No 2 needles -

Simpson - lay out
bag filter - cover



2 or Even 3 layers
lines,

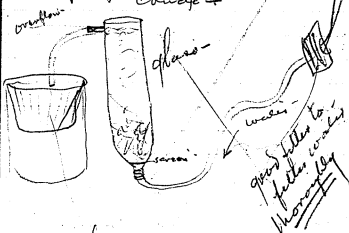
Myxolones get clots out

COSS

Food All about Kerosene -

1st & 2nd plating table -

Christensen try
for floating graphite - use
condensate +



filter

final wash in
filter with distilled
water -

From try brass brush to
polish a wire should
with a with good Keros -
no powder, then with
powder -

Christensen (filter)
Candelabra through
steam funnel +
paper with Keros -

Take a Draughtman to
Florida good on
Calculating a small
book, Kerosene
Rent boxes & Drawing
board & tools

See about Selma Kurz -

Wilson - Works upon Kennedy
etc. great desirability
of 2 travelling conditions
like Scott etc.

Arrange with Moore &
band to put more
people on ~~travelling~~ ~~travelling~~ ~~travelling~~
up to 10000 daily -

Select - More time
for Luria, Kuste
Amo Akke,
Get Kurz &
2 best Wilson
Colonialism

Arrange lot songs
for Wilson ~~etc~~
+ ~~presenter~~ ~~presenter~~ ~~presenter~~ -

Select lot Violen
pieces & get 4
Each from 4 best
Violinist can get

Arrange Flouzally
etc

Select Neat poems
times low seasons
& Ahmedifels
Prophets

Compose songs
a group 200 sets
Melody etc

Tell Waller Miller was
found dead at his home
irregularly. ~~Very~~
good - told him about
DNC -

Leaving
Wife at school. ~~Smith~~
Proctor - says traplines
not - not there much social
Wichey ~~OK~~ says hard
he don't all the work.

Dinner ~~OK~~ -
Where is my book

Chenango
Japan ~~OK~~
Candell ~~OK~~ after
purifying ~~OK~~
Abel ~~OK~~

~~Separate it again~~

Jones put on that
warm gear was
made for Jones

If Jones hasn't got the
brown ones, send Brady
right back to Newark
& get brown to make
& feel a sugar to leg
Newark

Instructions on
inside door -
Dose MKE

W Miller -
Make false move of
Leading without
playing then
join the swing

29 Jan

Records in Cat 1st ~~9th Supplement~~ 389 Tunes

New Supplement 24

Future List 42 lines 21 Rec.
14 " Single

Not matched 8

477

Get ready for ^{Tris} work

Get Anscombe ~~retraced~~

Ask Walter Miller about
Talferson Tris

See Huffman about
Qersms 12 wanted if
OK

14 Disc ~~for the record~~
Lorens - Moore run
them for test.

See Halpin about
the Curvis effect on
disk about Governor
disc ~~headline~~

See Worm & Jones
Ford

Wilson about ~~flexicoplan~~
studis -

Moore about ventilation
Sakane Varnish room

Leybrand, ~~clearing house~~
Disc ~~Wash~~

Stitch, ~~Wicks~~ to get
up plate ~~Wash~~ ~~Wash~~

Moore, lay out press
2nd floor,

Christensen after get
them Carabellera base
perhaps stand Myrtle
way base Edison
see Myrtle, or High BP
panefin

Chromium - found a chemical
tough & soft but a substitute
for Cerium with Candelabra
as Lites don't mix or
rather discolour.

Make preliminary Expt on
the mix removed from
old cells.

Wash force of KOH.
dry. remove flakes by
scrubbing, then wash
Very white, clear ^{H₂SO₄} Dry.
~~Test~~ abt 15% flaked
Clings to it
Clean flake with H₂SO₄.

Wilson - Why not try
Expt of an extreme covering
of Homebush. A Catalogue
probably unchanged from our
film City & with 200.
testimonials fill house
Getting up a very fine affair
Print by Central & Grey
Mailing lists & start it
Do as Babson does -

Get samples of Trans-
Resistant H. K. Wilson -
Gibbling & Co. to afford
Grounding machine people

John All where
is the drawing for the
machine for feeding
pencil into wrapping
machine -

Have Carbon transmitter
John all designed & built
just finished put up chair
in Library -

See Hays about dance
music passed but not
listed, now in my pocket

See Hays about book &
Collection of literature
songs

See if even file in
part of Cl. new collection
of the a. l. l. c. Record
with explanatory description
of the subject matter
opposite

Speaks to But Crute Druggist
about taking 1/2 off balance
Cells to get big number at
end

See Hays where we should
have office & cleaning house

Attend to the Diamonds
Moore - Print Brown celluloid

Moore - Print the 12 new
screened powder blank

Make results of nickel from
old tubes,

See Worms on food

Mind about
making cabinet put
in Dine. ~~Wase~~

Select. Bab. ~~Tests~~
& ~~Malzmann~~ ~~Turns~~

Moore get 20 print
Presses at work
soon as possible

get more ~~insulation~~
water & select
 $\frac{1}{2}$ doz ~~brat~~

~~Important~~

flow screens powder blank
perhaps get rid of transfer
plates. flow & dry then flow all
side, ~~back~~

Think that chd of Ni from
about Calif. Hydrogenation
from Ni plates. ~~They~~ ~~Iron~~
plate, the electrolyte ~~to~~ ~~will~~
will not be attached much
I guess -

Walter Miller see what
can get to him from
Missa Vidant. ~~Indiana~~
Sawyer got ~~it~~ is
Remember -

Make Duplicate & other
Exports as you did & send
them out will run
them & get Condensate
Records for permanent
samples ~~has~~ ~~them~~

Carl Fleisch ~~Volumet~~
3 or 4 pieces -

Caroline Vohle $\frac{1}{2}$ doz

Moore get money &
plating ~~all~~ all along
line for (12th) ~~number~~
NO 2 + 100 kg ~~number~~

Try hard pitch ~~spotted~~
Cellulose for NO 2 ~~number~~

Ask W. Wells if
2 springs caused
Come over & long
What change &
Can she see right
off (12th) ~~number~~

Get best Carnes records
that we havent select
Orest from Blackman
at job price & volume $\frac{1}{2}$
pieces - Then select
for America & Asia -
Domestic etc,

McChesney give me
Admission Water
Ming (12th) ~~number~~ know
call Water paper
for new ~~number~~
or lost ~~number~~ or
Catalogue -

Estimate Cost Mfg
New ~~number~~

Moore try with
new fine powder blank
5 min contact 12 min
full press - 5 min is to
get air & vapor out,

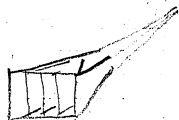
Walter I want to read
after Committee the
new Cylinder nos to
pick out those for
Disc,

Hayes got me records
Columbia & lost
3 months want to
pick out some for
Disc -

Waller - What Saxophone
players can you get
Sophron Barlow & Bass.
Don't they sound with
Clarinets, want more
Saxophone as in
Fornest Whisper

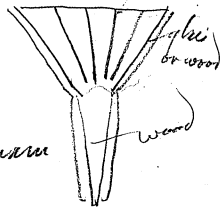
Moore bring over
25 peeled records
from Paradise E & C
want see if any
are Double Transfer
etc -

Waller. It may be we
get sharp when too
loud with 20 mms voice
needle don't go down (115)



glass

glass



Pierman

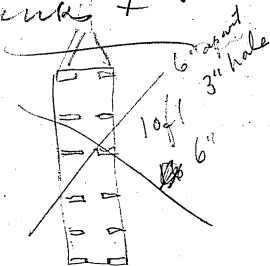
wood

Edging Auto -
 goes in too fast
 screw too coarse -
 Auto for man work
 3 or 4 machines

When Traphagen
 changed do it
 in one day pay
 him double wages

~~Woods press press
in Die Press
Dip~~ ^{Cellulose}

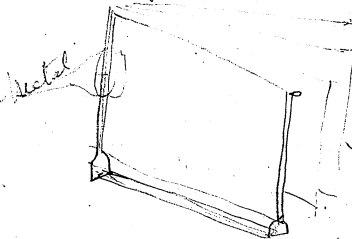
~~Hammer of no
way to drain
FeSO₄ Geyzel
tanks~~



~~Dimond dix about making
glass funnel~~

~~Woods want 10 presses
got in soon as possible
floor 2~~

~~Heavy plate glass 3/8
thick - Reflections - 3/8~~



Dolly
 take the 2 pal feet
 2 $\frac{1}{2}$ " dies & press dies
 Celluloid Card with
 $\frac{1}{16}$ rubber on one side
 also warm up to
 where don't stick
 Rubber on pal feet
 side & off -

Benny King jewels
 in safe up to 160000

Mex - Don't sell
 buttons for Cars
 until we get
 Schick etc

get Chopin Nocturne

Wilson in Central
 with Brown provide
 E Sharp name belongs
 to us given up
 when they sell
 other things must for this

Barnesound may be
 due to max & carry
 over



heavy paper
 so all is wrapped
 lower -

or even
 thin paper
 to look some



CHD

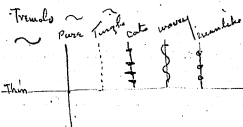
Wilson - Shall we want to
 get some get quick. before
 we go to the office or travel to
 establish class A dealer
 in England. I am going -
 Australia & back
 GLO - or long get one
 10.000 -

Walter - How about
 an all slumped
 Quantiles or 4 & Harp.

Walter - Are you going
 to give us a paper with
 The big Oracle effect?

Walter How about
 Edith Walker

~~Edith Walker~~



Thin

Rich

Volume

Thin

Rich

Record the dealer of the
17 Tosi singers so
we can collect the tunes
properly -

Walter White/Tosi
to time his phone &
keep it at 50 & not
depend on regular
too much

Diemian try 30 glass
tube inch inside
dia - 6 ft long
or brass pipes that
phone vels have 10 ft long

Present Mr Coffin a
Phone + 50 Records
\$250-

Feb 8 211 Records given
gone to public
To go out 12 Req least
plate 39 -
not matched 12 Times

K Salcylate discol
Mr. H. to double
Salt R. H. Lout
pencil may be it don't
do - it's a piece

July follows 10
Valachet
off his other tumor

Try $KBrO_3$ $NaBrO_3$
+ $NaClO_3$
+ Other Sal Chlorates for
Nickel tube mix
deposition

Ask Hoffman if he can
ground up chlorates
for use they say and as
inert as

Write Luggell if he
does want to consider
renting 6000
Make 1000 1000

200 - did $\frac{1}{2}$ go down to
Silver to be put in pencils
for fun and ~~all~~

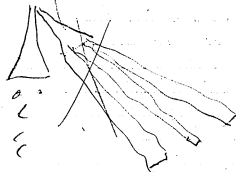
Smith, Removes 10 lbs
more of Ni from bad
return ~~cells~~

Shed of mix from old Ciba
~~Polonium~~ Cone. which
 Exports of flake - in 24
 hours

K Sulfonamide
 Seignette Salt
 K Salicylate
 K Citrate
 K Hypophosphate
 K Bromide
 K Chlorate - good

24 1 1/2" boxes Ciba
 underneath 6 times
 located in ear with
 funnel than there
 is - 12' 6" long
 only tells muffled
 over then out 4 or
 5 times longer
 evidence of noise of
 not hurt

in the spherical net
 sharp in foot more
 mellow, / Can be used



Tried 6" deep drawing paper
 sharp not so good quality as brass
 like best of paper
 stop searching number
 two far away from
 head peak hit -

Picking
 try single Pears tube
 then the whole bunch
 on Pears & Record it -

~~Get - put 2' of the
stick nickel mesh from old
tubes into small lamp bulb
holders & just through salinometer
Get of 500g K + Na salt
4 leads 3 or 4 days + note
disintegration -~~

~~Theoretical amount clean
for 84 pieces 22 hours
35000 ft³ blowing out
11 ft³ + Condensation 22 hours
64363 lb. hour
500 P. 1000 ft³ 22 hours
500 P. 1000 ft³ 22 hours
1 ft. 1000 ft³ 22 hours~~

See from get glass tubes
10 or 12 ft long 2 or 3 of
them 1 1/2 dia about
1/4 wall -

~~See Dimwiddle's report
Taper of cleaned funnel
if glass -~~

~~Dimwiddle - trip report
Working from bench
a right angle on
cellulose at least~~

ΔKE Weekly -

Mudd - Give me cost
of renewing a cell,
supposing ~~Nyflaks~~
Cost nothing - using top
parts, Rubbers etc -
+ ~~padding~~ ~~drum~~ ~~any~~
also without ~~iron~~ ~~any~~
but need pockets -

~~Christmas - try gum
Chicle in plunger ~~thru~~ ~~any~~
+ zinc ~~white~~ ~~for~~
Sub for Cellulose on
Disc Sub~~

~~Listen again to Selma
Kurz + the other
surfers in Europe
membered ~~good~~ in
first time ~~back~~~~

~~Monahan - reject
get up ~~wire~~ ~~any~~ ~~off~~
Taps + use ~~OP~~
Cans - ~~to~~ ~~go~~ ~~him~~ ~~come~~
over with ~~Smith~~~~

~~See John Call's ~~carbon~~
tearing ~~to~~ ~~Mr~~
returning ~~cells~~~~

~~See key friends man~~

~~See how ~~why~~ not work
would ~~on~~ ~~to~~ ~~one~~~~

Smith - How ~~is~~ ~~it~~ ~~is~~ with
no nickel plating
gilling on -

Christensen - How you
chlorate R CCC ready
for Smith -

See Jones how bagging
got on -

Moore - where are
orders for deposits &

Vacuum Kiefer -

Also Extra German plates

Get lot of Baritone songs
from Operas for Pagnaloz

Askle, Delma, Leticia Torres
+ William Colvada

Waller - ~~get~~ ~~scale~~
of all our ~~engines~~
from ~~W. Dale C. Apple~~
+ Lower

Ad in Key Station
paper - 1st one then
follow with 2nd
in 3 weeks -

After Crake test
Clean with oleum
+ Vasoline Rubbers
Top pieces so as to
K.H.

See Moore ~~about~~
~~Dailys results~~

Wilson - say to Graf
that we will
not acknowledge
that he is entitled
to the X money he
has until we have
noted the money
we apparently will
get & have him
acknowledge it in
a paper which
is drawn with view
of a possibly suit
at last -

Get Dunning ~~October~~ +
say to Graf ¹⁹⁰ -

Smith + Read Electro ref
between 10 cans (15) drop
ckt open & ckt close

get Ford, & say trunks
& Benches right away

Wilson - willing to
Bulson Chicago we do
not continue the peraphone
for advertising -

Christensen - my Reserghin
China Clay + Hemphill
Two will be affected by
used in bath
my piece of acid

Place in ~~Helix~~ on
Class A boxes -

When song birds jump
no more - first type
of clearing -
good throughout popular
with or ~~sub~~ contracts -

Just compare independent
Rose Monroe with
Polly ~~follows~~ locally
More ~~listen~~ to
Rose Monroe for
Kosovale surface -

Christmas ~~treat~~
Little graf with
~~hydrofluoric~~

80126 Echlo -
other side ~~Palios~~ -

What became of the
Rubber ~~bottom~~ from
Stokes for ~~trade~~ -

Then get back to -
get 2 good machines
designers -

Also see Pratt & Whitney
cheap -

Smith - figure out 2 A4
together making A8 - with
can portion like in Murray
Lamp -

See ~~Kummer~~ on Miller
Anderson -

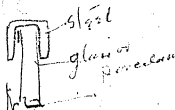
Listen ~~X~~ Gentle
Rings ~~X~~

Make up ~~X~~ list
for Jovi - Darts
Trios ~~X~~ ~~Amazons~~
Saxettes ~~X~~

also for ~~X~~ ~~Leanne~~
Miller ~~X~~ ~~Seamus~~ ~~Leanne~~
for ~~X~~ ~~English~~ ~~X~~



Rubber
Granulation



Spot
to call

Wilson - Cut the payroll
down to limit to our
average sales for June
Feb to date ~~X~~ ~~and~~
Close all rounds ~~X~~

Tell Miller ~~X~~ tell
London ^{in person} to make his
prelim ~~X~~ ~~cards~~ on
40/1000 ~~X~~ ~~Call etc -~~
1 ~~X~~ ~~arrange to get~~ ~~Wickham~~

May will frame up
a 1/2 doz big ads
send ~~X~~ ~~flat~~
2 diff ~~X~~ ~~copies~~ ~~each~~
one ~~X~~ ~~handling~~ ~~details~~
other to draw ~~X~~ ~~prints~~ ~~etc.~~
6153

Alt filing Record
Cabinet - see Henry
Wilson etc

Bachman & Ross
Bathing Box design
for Bat coils to
test actually
schedules -

Tall Dumbbell
about flame on glass
funnel &

Piercon design to
test glass funnel

Bachman, Smith design
machine shoe ~~padding~~
tubes. Then die a strip
ring & then twist to
open seam to remove
old nickel & see
Simpson about machine
for removing from
fun photo -

Give last design to
Simpson for Crates

See Simpson new
Crates idea -

By Feb 19 get 134000
Ford motor in bank
+ 30000 due for
TUE morning -

at Myers design &
put in my phone
a good filing Cabinet.

Myers - found latest
popular into music
to me at Myers -

Take my Galley &
phone - let books
near my chair at
house to fit Myers

Wilson & Maxwelle
if aggressive in getting
new Dealers &
over adlets we can
Contract for
Summer set

Wilson - look out for
pay roll, don't over clock
with summer coming on

See Colored pic Bowrie

See Resin for wood
pulp in Chem Lab -

Tell Lott he better
use Nth Sulphur to test
for Ni in Sep of Lake & Ni Sphs

Jones to get quick
Results at Ark 2
Ford Engine

Moore - how did andine
dye label experiment

Wilson - You better
investigate our Motor Dept
see if we ain't selling some
stuff less than cost.

Bachman Keep Rogers at
work for getting tubes out
Grids & new ones in & see
how many times - also
penetrating out pockets -

Paul
Semi Earth

Frankfort
Photo ask for
us

Wall Walker

Edith Walker, Conn
Next season Chicago
Opera - get away

Wilson, consider roots on
Disc Machine & what was
got for the machine California
clothes packing lot - think
should be made of other components

Use fine sandy little Carbon
granules. Coarser than common
& have reflective surface white
Sticking these to the back
for Photo telephone -

Possibly Volume increased by becoming
the number of reflections in a tunnel
at same time using glass to diminish
friction due to whigbater tubes

Feb 20 -

H 60 - Loss 11.81 each
 80 Loss 12.00
 150 Loss 1.90
 200 Profit 14.15
 250 " 26.00

X Loss 3.04
 VIII Profit 1.64
 V Loss 12.00

20 250 520
 20 200 283
 803 profit

30 150 57
 40 80 480
 537 profit

X. 40 Loss 120.
 VIII 20 32.80
 V 10 Loss 120
 240.00
 32.80
 Loss 207.20

profit Remains 440 -

38
 20
 20

164
 20
 328

147

5493 3767 190
 40 1507
 21972 3 40 5274

4200 5493 12
 3019 2197 40
 1181 7673 6161

1490 24244 26
 596 6161 20
 2080 5395 32

125 7077 1360
 99 40 544
 26 2830 7884

7077 3720 1415
 99 40 20
 4500 2250 14880 2830
 2080 2250 3720
 2414 164 5208

~~Write Words of changes
of Cooling Machine &
prints down too low~~

~~Extra Hand & soft
Pitches to get sample
to load Vapour with
diminish contraction~~

Walter Miller

See what you

Can get Sample

Record of Office

Metzger, Thomas

Contralto - send to

be good -

61403

~~What about Fresh Volume~~

~~Moors - Vapour water in it~~

~~get Coal for pitch
up down, Benzol or
Chloroform -~~

~~W.D., if Cooling is degraded
a long time spent being
on full operations
in Room -~~

~~In Eng for Recondenser
recently - shows the
Use something Carbide
or other feed part in
industrial to also
fine wires of tying~~

61403

My brand so sells well & like
 thousands of it but possible it's the
 sales on high notes to ~~be~~ ~~be~~ ~~be~~
 Val of higher give low rates in
 chance, ~~High~~ too much volume

Walter McCles Can you
 get total record Julia
 Culp & Orlillie McElzges,

30g Varnish to 1 gram of 5/4
 End down -

Save Cases Total -	100 A 4 Return	Total	223.87
Grinding 3.74	Remainder 10.00		
10% Profit 7.54	Grand total	233.87	
20% Cost 2.64			
1200 lbs to mix 59.97			
Labor assembly 14.42	1.96	Not as of	
Recessing 15.00	36.37	feet exposed	
12000 ft of wire 16.87		included	
Labor assembly 3.25	19.07		
Additional 1/2 lb of 3400 gms	21.15		
Recessing 16.00	29.8		
Assembly 2.00	14		
Assembly 2.00			

Cost no overhead but 15% of sales

#60	30.19	27.15	38.01
80	37.67	33.15	46.41
150	54.93	48.34	67.68
200	61.61	54.22	75.90
250	70.77	62.28	87.19
X	13.60	11.97	16.75
VIII	14.90	13.12	18.36
V	37.20	32.74	52.08

\$60	Loss	8.01 -
80	"	6.41 -
150	Profit	7.37 X
200	"	24.10 X
250	"	38.00 X

X	Loss	1.75
VIII		
V		

In Yarnmells record
 dealer Hoffman
 215 Fourth St

Food Rec 1475 Lbs

No one in it

18 @ 20 miles

80 Miles on 36 3/16

Tube Cells -

Dues 1.00 2000 order Mch 4th 14

No	%	Money	% money	
100	12406	54.45	12406	40.0
150	5567	24.50	2350	26.4
200	2374	10.40	4748	14.4
250	1649	7.20	4122	12.9
300	719	3.13	2137	6.7
31783				

Average price Rec 69.9 cent



Microscope

chips, still, more
very permeable

+ work done in chalk

leptone with but as without and
with higher pressure

Moore - print 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00 15.00 16.00 17.00 18.00 19.00 20.00 21.00 22.00 23.00 24.00 25.00 26.00 27.00 28.00 29.00 30.00 31.00 32.00 33.00 34.00 35.00 36.00 37.00 38.00 39.00 40.00 41.00 42.00 43.00 44.00 45.00 46.00 47.00 48.00 49.00 50.00 51.00 52.00 53.00 54.00 55.00 56.00 57.00 58.00 59.00 60.00 61.00 62.00 63.00 64.00 65.00 66.00 67.00 68.00 69.00 70.00 71.00 72.00 73.00 74.00 75.00 76.00 77.00 78.00 79.00 80.00 81.00 82.00 83.00 84.00 85.00 86.00 87.00 88.00 89.00 90.00 91.00 92.00 93.00 94.00 95.00 96.00 97.00 98.00 99.00 100.00

Sales Feb

Blue Ambrat Sales 85.509

Cy Machine 35.387

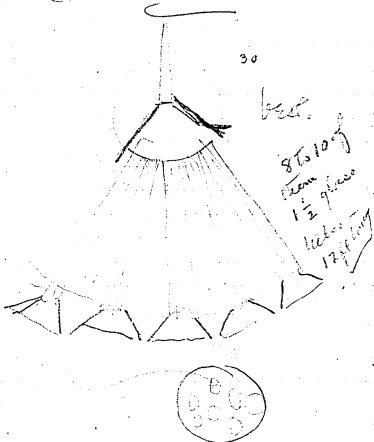
Dice 191.329

" Resent 45.917

Total 357.145

Edged for idea

Use paper cordage to
stretch it, powerful
zeru



~~Sell the Stone~~
~~Concealed~~

~~test pierce 2 cords~~
~~made with 1/2 cord~~
~~funnel - 1/2~~

Dead cost March 16. A4 without	
Selling, interest on bonds, rent, salary	7.14
or Experimental	32
Service.	7.46
Ready to ship -	10.13
A6 -	48
Service	1061

Walter Walter Cannon
1st voice trial
M. Arguente Sullivan
Columbia, SC, 1901

Ring up Chem. lab. quad in
Dodd's old place for
testing all disc materials
+ pass lots by Cars.

Counting Transfer
plates 3.5421

Do any of your friends
men make guns?

Better you wish
24 transfer work
since now it's
Right

Golden Gate Sheng Hing
4-96 natchang
Litho.

Edge ~~transf~~ Transf
So little over edge

Diaphan secured at Edgus
made very small $\frac{3}{4}$ or
less, than it need not be
stretched very tight & also
that not affect it so much
get right internal elasticity
Benevolence be quiet;

Moore, shoot of stream part
under outfall, then shoot of brook
+ let tiny stream brook
there - Can be determined by
a small hole of ~~unusually~~
definite, ~~was not the same~~
~~with small 2 pipes~~
possibly, used only 5 ft
head on valves - + considered
outlet -

If Water is cold
then steam will be low
pressure on presses & hand
water chills steam

Answer J. Bakens letter

All pressure T & P to be provided
with permanent opening
to ~~some~~ ~~the~~ ~~Coal~~ or
Valve that has a set opening
& screw or reduces it also
pressure to a few feet.

Wilson ~~thinks~~ ~~it~~ ~~is~~
Copyright our Press
some day they might
start to ~~use~~
them & we should
stop them

Put piece ~~recap~~ ~~paper~~
over plates then
Coal below

yes - why not try
604 to make Room
of channel

Heat blanket & roll rollers around
under press to even it up
to stop misprints -

Experiment on getting ~~various~~
with lowest hanging point,
also with smallest ~~conclusion~~
& increase contribution of
blank so both same.
Get good men on this -

Put another good man
on packing grounds for
blank to stop misprints
& even up ~~models~~ to
solve misprint problem

Extra piece on ~~cap~~ ~~ham~~
like hi head ~~stop~~
sickhead

Shredded mix. over paula
+ get top batch all C.
same a lot before using
to stop entirely irregularly
+ keep from air -

Charles' Costs, Blank casts
without labor 3.54 Cents,

Varnish 2.18 Cents per record
1009.5 per plate flowed no labor -
Cost per record, 10.91 Cents
Labor $\frac{1}{10}$ th of Cent.

11.31 Cents 16 - for Varnish

Blank labor including steam
+ water, about 3.71.
on 7000 daily production,
or 7.25 Total per blank -
without water + steam 3.25 Cents.
Steam + Water .41 Cents,
= Grimes supplies 37.56 per day
no credit for copper -

1.67 per blank for Moulding
1.34 labor on Materials -

Cost flowing plates, 366 of
a cent per plate, .0732 cent
per record -

Cost washing - .0732 cents
per record,

Inspection of blanks $\frac{8}{10}$ ths of 1 mil.

Cylinder Brown Kott, Washing
Costs $2\frac{72}{100}$ ths mils
per plate - this figure is abundant.

Over 1.25 mils per plate $2\frac{1}{2}$ mils
per record -

Severing cleaning a
unspooling plates 1.58/100 mils
per plate -

Transfer Press Payroll 197.91 day
 Inspection Records 12.57 "
 Filing in records 7.75 "
 Moulding " 3.65 "
 Testing " 24.79 "
 Moulding wipers etc, 57.27 "
 Buffing 11.96 "
 Edging 25.37 "
 Grafting 4.50 "
 General Ex payroll 72.42 "
 Repair cellulose prints, 15.85 "
 Metal Mould repairs 10.06 "
 X 3.00 "
 X 9.17 "
 Sorting records on boards 11.35 "
 Grimes 72.00 "
 Num. dics plates 16.43 "
 Grimes a C. 4.50 "
 General labor +
 Materials supply } 151.00,
 all over plant.
 Repairs - 3000
 + Current
 Grimes supply 37.56 748
 668.55
 3000
 3000

Rough 40% 90% 100%
 40% net Cost 62.8 1014
 50 " 58.6 1114
 55 " 59.1 1114
 60 " 55.8 77
 100% 50.20 22

Blank + plates in transfer
 Room cost 11 Cents.
 Value of returned blanks =
 5 Cents

150 Records per mould
 90 net
 Cost of Working moulds
 Materials not credit for
 Copies is 2.331
 Cost per net record
 60% basis 2.85 cents

This new item with 70% gain
 adds 40% to Cost, at top page
 (155)

~~See Wilson & Maxwell on
at copying report to
Constitutional & Union & Rights~~

$$\begin{array}{r} 26 \overline{) 300} - 11 \\ \underline{260} \\ 40 \end{array}$$

11000

$$\begin{array}{r} 110 \\ \underline{122} \\ 480 \end{array}$$

$$\begin{array}{r} 1220 \\ \underline{488} \\ 1708 \end{array}$$

$$\begin{array}{r} 1140 \\ \underline{44} \\ 4 \end{array}$$

Renewing 100 AH Cells
Saw cans & Tops

Grinding	3.74
10% loss Rubber parts	7.54
12000 tubes only no Ni	59.99
20% loss of cans	2.64
Labor assembling Ni (49¢-100)	1.96
Recovering Ni by Dr. & eff. etc.	54.72.19
12000 (10 gm) packets only	16.84
Labor assembling iron (65¢-100)	3.25
Addition Iron Wt 24000 gr	19.07
Recovering iron & top pkt 5¢	10.57
Assembling Cells	8.69
Electronics	29.00
Shipping & return	14.00

188.91

No factory or field exp
included -

40%

2.63.91

Assembling Rec. Strips (Rec)	March
Wtd 583.	533
Cy Mach Rec Discm	Discm
49.524 511.974	5281.533
Total Phone	547.917
Discm	507.953
Storage	113.64. 14433
Commit Shipped	64.539.666

120

5 - Phenol
2 - Para
7.19 S/G
4 - Penta
100 Resin
145 also

Cost blanks 11 Cents -
Return worth 5 c

Payroll, Supplies & fuel
\$748⁰⁰ day

Receiv. - Cents.	Talent
2000 37.40	12.00
2500 29.95	11.00
3000 24.91	8.00
3500 21.38	7.00
4000 18.70	6.00
4500 16.66	5.43
5000 14.96	4.86
5500 13.61	4.43
6000 12.64	4.00
6500 11.48	3.73
7000 10.68	3.47

Sales - at rate of - month
 only

\$ 3846	\$ 100.00
5769	150.00
7692	200.00
9615	250.00
11539	300.00
13461	350.00
15384	400.00
17307	450.00
19230	500.00
21153	550.00
23076	600.00
24999	650.00
	700.00

40.

45

150.

20-

300-

$$\begin{array}{r} 36 \overline{) 80} \quad (272) \quad 7 \overline{) 75} \\ \underline{72} \quad \quad \quad \underline{54} \quad \quad \quad \underline{49} \\ 8 \quad \quad \quad 26 \quad \quad \quad 6 \end{array}$$

$$\begin{array}{r} 288^0 \\ 36 \\ \hline 80 \overline{) 640} \\ \underline{640} \\ 0 \end{array} \quad \begin{array}{r} 81 \\ \hline 177 \end{array}$$

$$\begin{array}{r} 27 \overline{) 17750} \\ \underline{1620} \\ 1550 \\ \underline{1350} \\ 200 \end{array} \quad \begin{array}{l} 64 \\ 1 \\ 1 \end{array}$$

$$\begin{array}{r} 1475 \\ 300 \\ \hline 1775 \end{array} \quad | \quad 6$$

70) 2400 (27
1400
600
400
200

{165}

Notebook Series -- Pocket Notebooks
Notebook, PN-14-04-13

The dated entries in this pocket notebook are from February-July 1914. The book was used by Edison to record ideas about business matters, experiments to be tried, and other tasks to be performed. Many of the items have been crossed out. At the beginning of the book are notes about phonograph orders and costs. These are followed by experimental notes relating to disc record development and production, chalk telephones, battery cell regeneration, and automobile batteries and charging stations. The business-related entries include notes about payroll and expenses in the Home Projecting Kinetoscope Dept. and working shifts in the Cylinder Record Dept. Also included are entries pertaining to record dealers and recording artists. In addition, there are notes about sales of Amberola records, kinetoscopes, and batteries, along with comparative data regarding the costs of using Edison batteries and those of competitors.

Among the numerous Edison employees mentioned in the book are master machinist Robert A. Bachman; John V. Miller, Edison's brother-in-law and manager of the Edison Chemical Works at Silver Lake; Walter H. Miller, head of the Recording Dept.; Sherwood T. (Sam) Moore, a principal assistant in the development of disc records; and Harold H. Smith, chief of the Battery Research Dept. The inside front cover is inscribed "Entered final April 28 1919." The pages are unnumbered. Approximately 125 pages have been used.

PN-14-04-13

E-1710

Final
516151919
to find
Covey
m

W W W W W
W W W W W
W W W W W
W W W W W

Phono for March
orders

Cylinder Machines	49.824
" Records	111.974
Disc Machines	281.535
" Records	75.334
	518.667

Think it 547.917
Cylinder records 533000
Shipments all kinds 507.953.
Sales feby 357.145-

Storage Bat.

Orders	shipped	assembled
11364	14433	13482

Present Coffin with Phono

1 Week March average price
need for record disc 69.9
Months of March — 59.
7 weeks to April 5 63.3

Theoretical amount of
Steam requiring for 84
presses 22 hours
35000 lbs. steam
1363 lbs per hour
50 HP boiler Evap. 15 + c
per hour

Dead cost March 16 A4
without selling, interest,
rent, advtz. or Experimental
7.14
Service 32
7.46 - 810

A6 10.61.

Febry 20. Costs given me

No 60	loss	11.81
80	"	12.00
150	"	15.00
200	Profit	17.15
250	"	26.00
X	loss	1.12 now
VIII	Profit	1.64
V	loss	12.00

Cost	With 15% profit To work	40% gain
60	27.15	38.01
80	33.15	46.41
150	48.34	67.68
200	54.22	75.90
250	62.28	87.19
V	32.74	52.08
VIII	13.12	18.36
X	11.97	16.75

Test records Pieman made
with glass funnels.

Test last 2 months antenatal
records for Tuxes.

W Miller get voice trial
Margaret Sullivan
Century Op House

Rig up task light, Saddle and
place test everything &
daily reports.

Wilson shouldnt we so purging
our Disc Tunes as arranged
some day the well Sub
Then,

W Miller. Why dont you
work in Xyle more, also the
Violon sawn, better trip 1000
after - Sea Monday in our house

Put bland on heated
platen or hot roller under
heavy pressure and
roll them to size.

Experiment to get varnish
lowest hardening point as
to temp - & smallest contraction
put a good man on it

Put good man regularly
on, improving grading
powder in blank models

Put Extra piece on Piano
hammer

We should mix at least
Ton of Penic get rid of
variability

Wood pulp seems to dry to
 even mould even, think
 I should put on muak
 on mixing powder with
 it leaving on $\frac{1}{2}$ of
 $\frac{1}{2}$ wood, using resin
 at phenol just same

Lee-Saleman provided with
 Exide, Iron clad & our plates
 to describe feasibility of
 rubber stand & new coming
 out in Exide - got agreement

Bachman making pockets
 Iron will get in & no way get
 it out. Cant use magnet -

put man on Coking
 Zinc for buy battery
 like Mercantiles, type
 are cast, also small
 man & Elsie C&S returned

Calliper comel records of Meyer

187	200	193	180	020
232	233	244	242	017
244	238	251	260	022
221	240	227	204	036
241	236	231	233	010
241	224	232	248	024
235	226	227	229	009
246	248	227	231	021
241	210	221	223	031
237	237	245	244	008
233	245	233	216	029
224	232	232	220	012
212	227	221	207	020
243	235	214	224	029
207	218	207	200	038
198	212	190	177	035
247	227	208	204	043
243	245	246	246	003
237	227	227	236	010

Thick 260 Thinn 177 088

from average of Thinnest
 Thinnest we have 53/100
 to true up minus. Please

see if Hydrocyanic acid
will reduce Ni on surfaces
of particles. You might
do away with plate to
or load tubes & then
soak in hydrocyanic acid
several times -

Load blank metal then put in
Rebber 1" thick & press
Cold. Then soak in ~~hydrocyanic~~
whole in ~~hydrocyanic~~ solution
several times & then mount
Reg. 900, etc

for making subvacuum
flow Reg. for in
Metal, Removable rim
Don't go above 160°
or there abouts. It seems
only going to rub over
Condensation & not to final

24th Nov

Keep in acid clean even
Water Bath to hold 80. to 100
Print on this at very low
pressure. Think it will
profile OK. Can vary to
suit Use Paraffin to
insulate the metal in
plating. Think this will
be at Chelmsford

Disc white black.

Top side should not
be used only bottom
& the side of Chelmsford



Press celluloid Cold with
Para naphtha 1" thick
piled to get rid of
water & then turn
it over & chop -

For turning blanks
get big piece wood
& turn \square 2

2dgs right angles
of $\frac{1}{16}$ to $\frac{1}{8}$ across
for scraping in
lathe the blanks
using say 2d thread
feed

Get all the Vertins
all open & every
other one &
select all possible
should have 50 -

Grill for Disc only of old
with house, ~~XX~~ scene on it
or one with ~~XX~~ scene on
Disc box - support
grill below

Chalk ~~that~~ may
act as satisfiers
try it with ~~that~~
ichelung - also
try plus ~~that~~ & ~~that~~
plus ~~that~~ 1

Spray Var on
wood pulp like
Ford paint.

Walter Miller
Felix ~~that~~

Try single homogeneous
wax with very thick
layers on surfaces -

Cabinet. Turquoise
use desc. cornish
& Cook at 1700
away -

Treat 2 cells with
H₂O 40, W₂O 40
& treat weak acid
1% H₂O 2% H₂O₂ +
beal

Leaving ~~from~~ grade
was ~~about~~

Walter Miller

Willy Bygonesister
get him -

Barrister in Cuba now
500.000 10 song
400.000 ally

See - get ope. battery
tested & accepted by
QAC (Auto Engineering)

Instead 5% more channel
make it 10% less

Ni Say Insol Al or Ellis
Ferric Say Sol. Al to precipitate
Ferric Say is the only
Known Sulphate Sol. in alcohol
Solutions must not be too
concentrated much less strong
Say, not the dry Ni
probably just say more alcohol

Sulphate Alums insol
in Al. Sol. is easy in
Violet. Ferric Say Al Sol.
not Sol. water are
Sol. in alcohol near

Dilution plus AgNO₃ tends
to make basic insol.
Salts -

Synthesis of Lock

Al Say + Ni (Alums) Sol. water
but pp on dilution

Sulphate Al + Ferric bases
Easily Sol. in cold dilute
Sol. deficient Sol. in
dil. NO₃ or HCl.

Sol. Al + Soda very
Sol. K not very

Find out if old
Ni salt was
freed up / K₂O₄ if
not free it

Dry 2 or 3%
acting to clean
green old mix
Ni

System
at 17.3 ft P per ft Neg

12400 ft Neg at London
grains. $1\frac{1}{2}$ lbs ft sacks of P.

Why change pipe & cement slurs

Put a profile on cellulose
by deposit running in
grains - or Hg -

or 1 lb of Hg
press it in
or Roll a roller over
or

Go over Optics profile in
Put off Profile -

Moore in transp
do men watch when
stream put in & keep
it 500 lbs press or down
it go down then they
put it back down
they will get it else

Water Miller & co. call
on wax perpendicular
holding Reeds up
by long spring
or a bell hanger
weight

For turning old Kodak into new
Miller says \$94.88 per
1000 lbs. Kodak & chemical
28 cents A 4 - no gain at
all for a lot,

Find out who
makes parsons cup
stuff. Makes discs
Look under record
all if fine enough

~~Find double check
weighing of material
for parsons -~~

~~Give money to O. O. O. O. O.
pay also O. O. O. O. O.
R. O. O. O. O.~~

~~Daily pay dried
Vermont with very
fine. Boston colored
Alcohol - dozens
Try -~~

~~sent to~~

In Victor sent look
up my old application
on Disc several yrs
ago before I started
on new disc, also
old English portrait
& searcher Actor's life
& German photojournal

~~Why Cant Cylinders
Record Supply
work days
only - We have
Extra Capacity.~~

~~2000 Bally Lanes
now set up &
put to work~~

~~Stations Chained to Cans
We sent them -
Chain of stations -~~

~~See Summary of about
New big base
Clockwork~~

~~Chisholm Bronx
for party more~~

~~figures sent given
away Spent 1000
if buy 12 pieces
Cy 50-40 off to Ede
also Program old Customs
get list of sales last 8 yrs for
find out how much~~

~~Lothary The Mowah
got one name~~

~~Take up Wilson
Program Salary~~

~~Consulder~~

Advance for double
checking Bluffman

"Home again from a
foreign shop."
Put on Dixie -

Wandering Refugee,

Old Dog Tray -

Ask Smith for Grow
Rains -

Smith says an old f2
has taken out dip in bag
let cooling. Break
till 10:44 1/2 out - she
out where warm &
let it self heat -

Q & Miller send up dog

5 gun down & want
dip in final sub-station
get Pra 500 - porco etc

Tell Hays lost
or lost too many
cellulose discs

disturbance wax
tracks blank
Hays has it

Get smooth surface
plates & then
make a small
scratches fairly deep
& last Pencil for
RO.

Try Duplexing
with new & old
with 6% of cast
acids etc.

J.V. Miller 7 gram
Coke for old Fe
Reduced to 1/2

Make up 8 lbs
Regni with well
Coke Ehl. Cobalt
Soaked 24 hours
& very little Zirconium

After Macth 19 each dry
last for 1/2 of CO
& put up 2 x 4
Cells for long
Enderman

Put up 2 x 4 for
long Enderman
with Irons only
Crimped

Moore flow 1/2"
blank 45 cc dry
at 120 for 15 hours
then flow 2nd
Coat dry 24
hours

Walter Miller
Only London get a
collection of new
medium for oil
Covers of papers
Name of books
Cr & M. -
up good papers to
find what he will
send 6 or 10
songs for -

Sent 1/2 to for
grants with lamp
Lamp -
my Pea lamp
split lamp -

Back Disadv
Alumina - used in
testing - try old
N. O. C.

Action of Sulphur
on Alumina Oil
Lott grows Resins try
Resins for Varnish
fables & Wax
succin -
also 5 on other things

Palat Lott
1-091-102
Tough box varnish
great glycerine with
twice as hot of succinell
at 220 dist until sample
on cooling not filling solid
inherently after 15 hours at 225 Cent
(3)

Dry-enough new green
equal 10 long tubers

$\frac{1}{10}$ phos acid

$\frac{1}{5}$ $\frac{1}{2}$

measure of
 $\frac{1}{2}$ liquid mix of
 $\frac{1}{1}$ just wet -

+ none -

Patent new
Bailey Gate

Make ball $\frac{3}{4}$ "
dia radius 403
Reorder to atop
Drag

Note to Anderson
A Co sell battery & Vehicle
Complete for nominal
money

The hand a guarantee to
buyers from ESB Co guaranteeing
battery for 4 yrs & also
a renewal of plates & supplies
+ Electrolyte guaranteed
for another 4 yrs. fix
leaky cells & replace
them over a period of
8 yrs - The whole cost
from date of purchase
of the Vehicle to end of
8 yrs shall not
exceed \$2000 - dollar
per year - only covers
8 yrs Boston Chicago Phila St.
Los Angeles Buffalo NY
Wash DC 6 yrs
Cincin Pittsburgh Seattle

As Memo
1 = 30 x 5 - 64 y accuracy
to long
at slow

Babson buys
Oct 1913 to May 1914
327,000 Annual
at a total of 3.5500
10% -

Rushman made
300 + cells 505 pages
for Green -

Put thermometers on
ovens test accuracy
of the recording therm
also. The live pyrometers

Anderson Camp

Silver Thread Tree

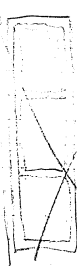
Course level asphalt (Parkway) - Weather Clear Dry

Temp 85 @ 90 Fahr Windy 2 persons 400 lbs

54 A & 2 down Open Valleys 78 at start - Ample humidity
at level 216 - finish 160 -

lbs sprayer pump	Watts/Ton/mile	MPH	Volt	amp
80	92	18.2	67.3	50
70	91.5	18.2	66.8	50
60	94.5	18	67.3	50.5
50	98	17.6	66.3	52
45	100.5	17.4	66.3	53
40	103	16.9	65.5	53.2

Great lat reg Ni alone
 another 50% 6% Sulphur
 just wet another 12
 another 24% H₂SO₄
 Wash fine dry + save all
 + send over to Lard +
 get condensing coils +
 Comp no. 11



7/2
 Crosses hard
 around below
 + 2 Cross
 ins-

Do we test Slakes
 Rubber?

Make test powder
 Keep at 170.

+ also lat below 130,
 Make blanks + see
 if Condensed or
 non condensed is wanted

shouldnt we
 use thicker grids
 for 7/2 to stop
 drop + spread

Simpson-filled
 the air that goes
 into 30° baking oven
 chimney

Pawia -	Mechanical
Oct 460	38
Nov 401	16
Dec 401	36
Jan 259	29
Feb 546	808
Mar 509	13

Treat some ~~rec. mix.~~
with Sulphuric acid

Smith H al Fe
that wont come up
but only electrolytically
treated trial 60%
SO₂

Get some Red Fe from
Silver (also try
reducers on it,
Hydrosulphuric
K₂Sulphate etc in
H₂O & also NaOH,

Make Formalkohol
Salt of organic alkalis
not Vegetable like
N₂H₄

For change to an Electro-
lot no pump 2275

Normal wt with Eng 1750
Weight Eng 475

5244 - (14.5 lb)

Motor gear

Made 53 inches
around town

1275
750
250
2275

Walter Mello shows 4
 blanks don't track
 Dinwiddie also just as
 if Mello's use to
 deal with

1 doz
 Dubr Mello 1/2 doz 1/4
 Mello 1/2 doz 1/4
 David first to follow
 deal with non-tracked
 blank Mello's

Should be total to 1/2 doz
 now till apr 11 1944

250	9528	982500
200	8227	637000
150	11428	834000
		\$ 2,473,000

Maors - Hays Ernie
 present on New blanks
 1 doz each than 9
 handled carefully
 for the 13 test parents

Maors we will make
 a test parents schedule
 to Condensed in Voco
 Chambers -

400. Condensed record
 + note and approach

June 10 Notes

Originally 255,000
Reduced 107,000
Outstanding 148,000
Due in July 48,000
Aug 45,000
Sept 25,000
Oct 30,000
148,000

Make enough Var to flow
1680 plates, with 10% more
6/4 sec of Cant slop blisters

We once made double transfer
OK now they cook something
Changed in Varnish —

Dally = Make some mix's
with bag powder of Chalk
to limit dirty, clay, heat
before hand —

Smith says over the old Ni
tubes & will soaks

Ott, remove the Hypo
Ni & will separate the
flake —

Pick up 6 tubes new Ni
old flake run for
Endurance — ditto
2 A4 for long endurance

Treat Reg 7/2 Mix with
Sulphur 2 & have
Miller make 4 test
Iron's set of better than Reg

Moors, about ~~testing~~
Cracked discs -
2 quots -

Christenson to make a
651 Wax disc soon as
possible - or couple
cylinders for Waller
Miller to test with -

Try Experiment with a
reproducer having a ball
(Saphire) Exact dia of
the knife to run over
a wax cylinder record
to see if we can smooth
down chatter marks on
Reg + 651 wax -

Investigate the Record
that Eleven & the other
10 Cracked - This is 20%
of all printed - it may
be ok as we get 20%
of prints made Cracked

Hurry Smith on those
Fe plates I want to
break with Sulphuric
acid -

To get 15000 daily
9% blanks (eggs) 30000
Transfer plates 45000
Transfer quots 25000
print 85 21000
total 15000

Find from Moore how
many presses we have in
Each Dept, for net 15000

Want 42 Blanks
43 Transp
40 print.

Then see Mr. Ives for long
Credit on a Contract
for more presses -

Also look up other
device for increased output.

Nowhere

21 Transp
14 Print #4 flow
18 " #2 "

27 powder 5 Combing
5 more to make 32 blank
Want 10 more presses for
for Transp & print

Daily Flow plates

1 = Stomper = Spray & blow - keep
blowing then spray & blow, say
4 to 6 layers - Can do this by
Machine

2 = Put plates $\frac{1}{16}$ or less apart

3 = Steel plates -

4 = Get old machine fixed so by
a screw feed Cone pulley or
Cone friction so same surface always

5 = Van very thick dump in center
& spread with spreader like
blank loading powder

6 = flow rate is fine burn off
Alcohol

Daily

7 = Ash & W.A. if can make
Condiments plates & use direct
or plate over -

8 = Quaker, Napier, Bengin or
surface -

9 = Mix water with Normal Cell
its a white precip. then flow or
apread -

10 = Possibly with water to
precipitate could get stiff dough in
sheet it using minimum alcohol

11 = Might need 1/4 Rem + more
with water to form a dough
possibly wet with alcohol
& roll by sheet Vase

Chadwick having the 2 cylinders
revised. 651 for Walker Miller -

Smith - Dry forming at different
Change rates 2 cells each 1/4

Chy normal -

1/2 normal

1/4 "

1 1/2 "

2 "

3 "

3 Run

note view
particularly

all dusky normal

Also small Cell

1/8 normal

1/4 "

1/2 "

normal

2 "

4 "

Test for f₂

Sulphonated oil for
mixing with varnish -
Red oil - Castor 100 pts 30
H₂SO₄ -

Powder up some old Fe
residue with Tin Chloride
dills rep iron

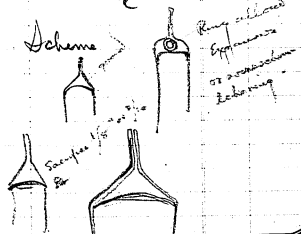
Loading 4 units
8 sets. Look for fresh
unit for

Disco - put other
units up at
luna

Scraper - 12 more
mounted Cast
iron base -
4 shells from

Reeds

Badman after creating
hydralic the you sure
it's long



~~Backman - Check test for
Mordue N. 84 before using
low 212 - falls~~

~~Moors - Check beam
of Moulds etc for
fitting out 12"
K. of ...~~

~~Test horizontal in
blades by rubbing on
surface plate -~~

~~Letter to R. E. Peters
saying that they should
take Peters and
around to ...
defective ...
to ...
well and another
to replace it~~

~~Learning a Watch
Morrow into Cellulose
in box w. new plate
Everything else covered~~

~~Get daily payroll on
Phone not close -~~

~~9/11/50 - Some of S₂ 2 iron
2 pks powdered thru
100 2 thru 150,
2 150 -~~

~~Get ready for ...
The 200 test STH which
at ... of transfer
Nays about that bad speaker~~

Yanked up ~~fold~~ dress +
clean it ~~up~~

Hear all the ~~disturbances~~,

Just ~~5~~ that ~~to~~ group
only 2 dgs of ~~the~~

Form non smooth receptable bed
in place - paper over perforation
To hold in rice collection
solid -

Ascertain if ~~the~~ is forward in
battery

~~Alarms~~ - 2/1st
Close new ~~One~~

England of one
Chastelant -

Walter Miller - Wrote to ~~the~~
London if there cant a
Vanderbilt says that
is an imitation of Henry
Landes with the same
type of voice -
if ~~the~~ trial of some
of ~~hand~~ songs -

Press ~~all~~ hand with Rubber
+ turn ~~time~~ -

Get Ingram ~~thing~~ play all
the ~~disturbances~~ -

Try Chalk Telephone as
Rectifier -

Cabinet ~~Alms~~ X $\frac{1}{4}$ thick
Load with Rubber - get side
+ make more -

NH_4Fe forms a soluble salt
with Al_2O_3 in the presence of
water - say add H_2O with
this -

Al_2O_3 sol in BaOH , to use in test
also in EtOH -

ggs of Miller found up
1 doz 5 gm Reg. 4/2
want to dig in mud
and like BaSO_4 - SrSO_4

Patent Steel battery Co.
when necessary



to present only
recent steps

~~Bachman~~ ~~should not use~~
~~thicker grid for Fe.~~

	Labor	Material
Powers Oct	460	37
Nov	401	16
Dec	401	36
Jan	259	291
Feb	846	804
March	509	13

June 10 Notes

Originally 255,000

Reduced 107,000

Outstanding 148,000

Dis in July 48,000

✓ Dis in Aug 45,000

Sept 25,000

Oct 30,000

We once made double transfers
now we cant without Corbin
Something changed in Vermont
Test Para - perhaps 6/4 shy
by now

Put up 4 tubs new Hi
old f lake & run hat
long insurance

Presses on hand

21 Transfers

14 Print 4 flow

18 " 2 "

27 Powder 5 more corners

Sulphonaloch Oils to move
with Var Turkey Red oil

Costor 100 fl. 30 Lot 42, 50 fl
Sulphonaloch

Moore - what begins of
12 press celluloid records
ordered some time ago

Maxwell about letters to
Dialers about pres. etc. got
Copy

Get daily payroll and phone
Dept with records

9 VM - down all down some
old 7s to 100 to
powder three 100 150 +
150 10% new & 7 gram
flts

Large about that has
rephaser -

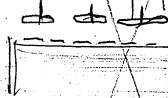
~~Mt. Cleve's Dugstone sold~~
~~38 pictures in 100 minutes~~
~~rich people like walking to~~
~~do good work~~

~~Think powder is too fine~~
~~or varied think whole~~
~~trouble is too much gas~~
~~in vacuum pack of 6/4~~
~~or too much too plumb~~
~~+ that this must be~~
~~corrected or blank made~~
~~more porous by less~~
~~pressure or coarser powder~~
~~or more compressed~~

~~Look out for fine powder~~

~~pick out 300 or 400~~
~~plates flat + not~~
~~concave rather more~~
~~convex + blow bake a~~
~~transfer +~~

~~Ask Dalley how bubbles~~
~~are on blown plates -~~



~~Close all~~
~~round as~~
~~possible~~
~~to flood~~

~~Long section fan to~~
~~take out~~

~~get pay roll Disc~~
~~Dept~~

Wilson Learning ~~book~~
down on ~~and~~

Make up a ~~schedule~~
on ~~amber slab~~
now — +\$80

Trick Ball game
Movies —

To the ~~more~~ ~~valleys~~
Certainly ~~five~~ ~~primal~~
Master & ~~2nd~~ ~~master~~
& Wax ~~My~~ ~~insure~~ inspect

Treat old ~~ni~~ with ~~Wt~~
also ~~Wt~~ & ~~Wt~~ 50g
also — ~~Elter~~ — ~~alcohol~~
Benzene,

Enter in book "Disc"

Blank
1000 from ~~and~~ Sunday
800 " ~~that~~ " ~~good~~
600 " ~~that~~ ~~near~~ ~~as~~ ~~good~~
Must ~~check~~ 1000

Experiment ~~New~~ ~~also~~
making ~~double~~ ~~crucifera~~
to ~~test~~ ~~ally~~

Make an A4 with 1 my plate
2 rows + balance blank
sheets to get results of
Cap & Valleys —

Also 1 with paper wrapped
around ~~ni~~ & ~~76~~ Element

Huffman Make several hundred
blanks, 10% more 6/4

Another lot 18 7/8 phenol
instead of 3 kg ammon. I
of 22 -

Process 72 mix from Huffman
Ammonium Sulfate
2000 lb. in 2000 lb. in 2000 lb.
to 2000 lb. in 2000 lb.
a test in small tubes
at 1000 lb. in 1000 lb. (2)

See Bodleyman about
Lithia

Bring up 125/842
blanks 1/2 hour at
340 Fahr then transfer

Ponce mixed put out 10
times yearly at 5000
guaranteed

Old tube dipped in Cyan
Coll. washed in
4 -

Try put in Dug as trial in
good Mosaic Easton
for even Valf. and 2
off vale -

Ask Lot 101 look at has test on
out of Ag in 1000 with diff clean

Chromalene peaks
let clear at Zinc
or then add clear up
to limit shell

Put under Reformer
Shaving table of soap,
Lentils a from will
30 mesh blue some
Germi

Following K Salts in a box
little in each in water

Perbromate

Perchlorate

Perungate

Phosphite

Pyrimide

Piperate

Pyrosulphite

Sulphate

Urate

Lithia Salt

Sulphate

Fluoride

Phosphate

2 Cells each 4 gms
Each cell -

Arrange with Luby
or Cases, weld master
moulds in for box to
store

Shrive ~~flex~~ ~~clean~~
pipes - ~~can use~~
~~presses need~~
bad

Improve ~~Amberal~~
Pipeters



Some radii at bottom
but take sides off

~~Lemmas about Dr
for Exam specimens
like P. delawarensis~~

~~Get 1/2 doz more feathers, dust in
test one on a discard mound
in holding 10 to 20 ood
tiny plate mounds & brush~~

~~See German Celluloid
maker when he comes~~

~~Find out what blocks
Copper Monkeys~~

~~fix Alabaster 503
for Wiley Sp. Sulphide
dry + Miller Make
in packets~~

~~Dry out 5 for old plates
+ the corr but soak in
#502 6% - Surrogate for
Zero,~~

~~Ask Miller what number
of the #503 banded old for
ground 100 170 & 170
Mesh -~~

~~To burn ground off
for stock buckets~~

~~Send 1/2 doz battery
vrons and up new edge
Crimps for test weight
before emptying -~~

~~Galvan about band
test Gyllyria after
backed off desmond~~

Amberola 10	30	Big 3 No 1
" 8	45	Chase Co No 3
6	60	" No 2
5	80	Best No 3
3	125	Chase Disc
1	200	Cabinets

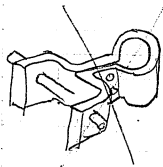
Find out total poly rolls
 Expenses of HPK &
 Sales & Sales film
 & Poly System see how
 much looking

Shining. Up by not have
 spent of Air blow / amish
 Co come over & show us
 or take Cabinets there as
 our new may be against it
 & guess it

Paint Area X Shining Var
 let me see it

Amberola Best seller	X	30.00
"	6	60.00
"	5	80.00
"	8	45.00
Poor seller use	3	125.00
disc cabinets	1	200.00

Find out = smooth pen
 first & then die
 Center not touch



Red all on plaster Paris with
wood fibers or cardboard dried
& dipped Reg recycled Vars
papers - little wood pulp
Cylinder dip bakes
dillo paper second dip dry
then dip Vars bakes peram
Paper heated before dip -
Long fibre paper

See Cost John House
Oregon - face what 1/2
The Cost wanted to in
Administration -
dites phone

Try colloidal pigment
Colors inorganic in
Diac Varnish & for
Conductive Coatings -

Barbatel 50 2 72 YUM
make up 2 pbs
100 2 of 50 42 of
150 weeks

Milroy Thaxwell How
about getting our travel
E. M. R. on here to
Talk rec'd -
We also want more information
than we get

Chemist in Chem Lab
Test for iron for
Vanadium - important

Pick out that records
to 62 pages by Jones

Cheaper cost of seq Kent
+ improve it

Baldwin - Sales
of Records.

Simplex Hand 3/4 20-15-20-15-
Wells 3/4

Power Hand 260 - 20415 - 2045

- Extra \checkmark 250 40% 25-100

We have 374 Baths

Outside of Division
3 days out 125 daily

Meister - Let us look at
Lib note book sent over, (6
Smith there is 3 or 4 $\frac{1}{2}$)
books missing -

Bachman - Have you
samples of Bureau sent
full line for every other
purpose

Get HPK data from
Bergman -

Newman to use factory
iron + deposit on a
Ni strip with
width light + run down
deposit

~~Butterfly~~
Can old traps
be changed to
Butterfly traps

2 short tubes
2 flake 15 grown

~~Put things out away~~
from 2nd floor, also
travellers

Good All fix up
the camp to dip
A4 plates in
hot cone Nickel

See if we can arrange
with the big German museum
to get some of the
not museum material what
we don't have - or what
they publish to keep -

Arrange with the
English publication do

Put somebody on
expert to use paper
at London's Vase for
Cheap Cylinders
recess - or mandrel
+ Seams, or Collapse
Mandrel -

Sb Cl To Cl, in Varnish
delay final handling
Very lengthy & tough like all

Ferric Chloride acts
like Essene, transfer
will come off easy

Is found faplong
on D L & CO

Dora he gives them
transfer

Arrange to send
around, monthly
list of Amherst

1/2 doz nips use
same act + test
like Hylak -

Test battery Crates.

Smith Ruff Cobalt
Cell 20 times then
Reg up ~~them~~ to run
10 times more out
120 Fahr -

Send, when you
have ~~received~~
2000 let moulds
run free wq -

See what selling
plan we have on
big Kevils

Smith put up 4 Reg 7z
+ 4 7A 504 7z f

Run Reg. After 1st Run
take one each off
sack out, 3 more
runs another 10 Runs
another 10 Cal 10
That the last but
open & note changes

Pick out for Walter Miller
3 songs each for Brandon
Bender & Tony as best
records - Little Corenall
Mezzo & High Soprano
Calmation - Little
Little Violin -

Slogan - Walter had
voice and instrumental
Phonics, not alone

Try Light in
Delapide

Are our vinyls with
test tubes, pen previous
to use with 11.

Hoffman off Saturday
Also why not tell last
month to fix a still,

Grimes why do
monkeys come up by
spins, throwing repair
Dept and of Keller

Smith - We must be
using more than 2
grids. 1900 175cc in
small test cells -

Mallory - has talk
about Koffer - also about
another chemical processing

Restals in Calisthills in
Mexico -

Walker Miller -
Long Texaco
Order Xiphos
3 album at Base

Fig out machine like
Ernie uses 7 album
1 for myself 1 for
Miller -

Moore about changing
plates - Very bad now
Set days if not get
up machine -

See best selling Disc
What is necessary to get
Moulds to block up -
Meyers etc -

Shott. insol. in NaOH
but sol. in HCl . Try FeCl_3 .
as $\frac{1}{2}$ in NaOH .
 Na Meta Arsenite is the only insol. salt of
arsenic??

Amidogenine sol. water
strongly alkaline -
one of constituents of
Linné's solution

When 2 molecules of
Boron trioxide + 3 molecules
lead oxide fused together
yellow solid mass is made
which softens in heat & is
good for sub master of
dyes -

Pb Cy copresol in KCy
try battery lead plates
in KCy

Hydron
Cuprous Chloride
is insol. in KOH . Try
as substitute for CuO &
Icelandic -

Hydron
try Acetyl chloride
in Icelandic -

Hydron
Manganate of Barium
in place CuO in Icelandic

Fe precip. by Zn gives black
powder of Mg & Fe used
to give steel appearance to
shatter & armor articles
Diminished Coat dyes

Smith set up 2. Each Long
tube of various Ni number
for 3 Oct 10 Hat 4 50 Hat

W. Miller ~~only~~ care yours
Ni Oct running so high
on 10 Hat

What is done with all
Wax master wax

Main (general) to
save money in plant

Smith 2A4 all
split tubes long
Endurance

2A4 - with most (that)
split on 50 - put up
Long Endurance

Lumines - ~~General~~ nag
Positives under hydraulic -

Try in NaOH (alcohol)
Barates ~~Asbestos~~
+ phosphates to dissolve
more Zinc

Get list of all
Outside play rolls
Beneficial carb etc
2 Incorp etc

Rating Not springy

1 = Note if flake ~~expanding~~
if smooth to slip ~~along~~
tube swells - if bent up
dist. shape -

2 Making tube ~~stretch~~
to limit ~~fracture~~

3 Chlorides or too ~~much~~ ~~thick~~
in small cell ~~fractures~~

4 - perf too big gel from old
cells & compound =

5 see if sec ~~cells~~ made or
cut open ~~looking~~ How many ~~days~~

6 = see ~~temp~~ little cells & if
thermometer -

7 see if ~~AM~~ ~~below~~
standard ~~per~~

8 = see ~~frang~~ ~~clean~~

9 = see ~~old~~ ~~temp~~ rod
if worn

10 = see if ~~rod~~ ~~holding~~
tube being ~~loaded~~ ~~cut~~
worn ~~layer~~

11 Temp rod ~~worn~~ small

12 = Run test 6 cells 3 det ~~nickel~~
132 Or Reg - 6 150

6 - 175 - to get quick
results important get
quick test, 6 with Cobalt in

3 Are pen ~~deposits~~ treated
Hypochlorite - Was size
changed

14 = Ask Smith if he proposes
to reassemble the ~~last~~ A4
batteries run 2 yrs he found
sediment box in -

15 Get analysis of the sediment
of the above

16 Get analysis of the E. ~~cells~~
used in Small ~~tail~~ Cells -

17. See if Smith is running
the previous description
in Little Cells -

18 Test the conductivity of nickel
plating on ~~plates~~

19 Compare burns + hole
old with new Cells -

20 = See how they match
a set of batteries -

21 = Ask Smith what becomes
of ~~chromium~~ tail cells get
now from ~~book~~ -

22 = Analyze the washed
gravelly use -

23 Christensen come over
see if R. fit amount L. ~~old~~
put in

24 If the plate rough it won't
move on each other + Ni
- Swell - ~~plate~~ out contact
with ~~lives~~

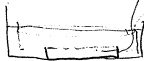
25 Take old lubz going
low wash dry of
split ~~the~~ now contacts
test on machine

26 - Rupert battery acc
Run sheet - also was run
here 2 or 3 times & see
what was comp'd.

Average flake per dump

July 1913 370
" 1914 373 -

Should be 4:



72 pkts
oven - chips & all 6
hardened -

Draw up detail test
room 300 cells

Put up 2 A.4. with 50 cc
Tin dissolved in Electrolyte

Look up effect of slopping
on new nickel & old
4 gr Ni - if new not
hurt, but cells down
to some extent combined

See what we pay Sampson
Diamond nickel

See if a Transmetal
Can be bent in

Shops -

Moors
How many plates straight
per day.

gvm, Make $\frac{10}{100}$ $\frac{7}{2}$
35% Tin in $\frac{7}{2}$ or
make up 2 $\frac{4}{5}$.

Put the old $\frac{4}{5}$ in the
dipped in $\frac{1}{2}$ & Cochran
on 5 Hat runs then
run cold.

Tell gvm that any acid
coming in the No. 4
will make a run low
No. 4.

gvm a little $\frac{1}{2}$ in
in your $\frac{1}{2}$ 504
on Red iron will
run 504 in Hat.

Make 2 pockets $\frac{7}{2}$ alone
with $\frac{5}{100}$ $\frac{1}{2}$ - run $\frac{7}{2}$.

Get Grother $\frac{1}{2}$ in $\frac{7}{2}$.

Smith Put Kobalt Cell
on 130 Hat, 10 Run -

Get the press
way (white) in
press $\frac{4}{5}$ die hand
as possible.

10 000 good records day

80% good to ship -

10 000 Blank + Veneer 725 00

15 white wax 18 45

15 Master Moulds 18 15

30 2nd Master Moulds 36 30

80 Wkg Moulds 96 80

5 Master Labels 23 75

80 Sub " 22 40

Printer supplies 50 00

990 00

Payroll 1437 00

General for Disc disp 516 00

Talent 250 00

3193 00

40% General plant 1277 00

4470 00

20% selling 894 00

10 000 daily 53 64 00

53.6

If 75% good for labor

Record would be 37 cent.

Amen Ex

No acct kept of Current
used to treat low cells

Ferguson only spent
Emp. agreed - rest are
helpers 75¢ month

find out how many

Amen Exp

Low cells equalized once month
Low cells left out but up to
Capacity especially

Never replace individual cell
always made replacements as a
whole

Low cells caused mainly by
cracked jars or foreign matter
gelling in cells

Mainly Salt

Use Tap water

Flush once week -

Open due to pastries material
falling out of tubes

Ampl. ify operating

85% less 1 1/2 current for
Equalizing once month

American Exp Co

42 Cells MY 13

Rated Cap - 189 amp hours new

Actual " 202 "

" 15 months 157 "

30 " 100 "

Average Can Miles day 30

Average Amp H " 135

Amp h per mile 4 1/2

Replacements made at 53% of
rated Cap age 30 months
100% of required or more mileage
obtained to 1 1/2% of rated
amp hour Cap nearly

Cost KW 30

max life would sep 30 months

average life 15 months

17 cell separator cost 1584

173 " 1008

no labor in this, just cost sep

Curves show -
Straight line from

from \$202 To 100

amp - reaching
100 amp in 30 months

Capacity falls
3.4 amp per month

Have 18 # 7000 GV-44 17 msc
106 # 4000 Baker 42 msc
6 # 4000 Baker 42 msc

Replacements made at end 30 months
av mileage life of battery 25,000

Guaranteed Cycles 600

Cost 44-17 plate \$600

42 13 " 450

Broken jars average 25% 1 year

17 plate jar 125 13 100

Genl Motors Co mailed
order to us for Brondas
by mistake

Price - 44 1/2 plate MV
4 trays 9 cells + 1 tray
8 cells + one blank

\$505. Net 30 days

St Paul Bread Co
Quoted 42 g. MV 405

306-46 4 yrs

A8 21 600 watts

MV21 21736 "

Phila 21 164

8

MV21

E A 8 1/2 list

" 20% in remail -

+ allowance for battery - - -

Phila - 6 Remail -

Mount year

23, 54 282

33, 38 400

25, 28, 303

30, 30 363

19 89 258

18 27 219

198

23 52 282

(105)

60 cells	30% off	50% value	
Edison watts	Price	watts	Price
A 4	10800	567	MV 11 10865 496
A 5	13500	709	" 13 13065 576
A 6	16200	840	15 15224 657
A 8	21600	1130	21 21736 949
A 10	27000	1400	
A 12	32400	1680	

4 year period
 MV 11 yearly Cost 216 75
 A 4 141 75

8 year period
 MV 11 201
 A 4- 121.50

Phil - 21164 watts @ 398
 Renewal 310
 788 guaranteed 28
 25 25 month, months -
 8 Renewal 8 yrs

44

345 ok

397

453

654

get from Bee

4 year period
 Cost Iron clad 341 MV 11
 " Edison 567

Cost Iron clad 973 MV 13
 " Edison 709

Cost Iron clad 1119 MV 15
 " Edison 840

Cost Iron clad 1603 MV 21
 " Edison 1130

No Jans

**Electric Storage
Prices F.O.B. Chicago**

No. and Type	Amps. Dischg.	Watt Hours Cell	Watt Hours Battery	Weight of Cell
<i>General</i> - 1.96 Volts average - 3 1/2 in.				<i>Rate</i> - 4 1/2
42 MV 9	28	247	10,374	29 1/4
42 MV 11	35	309	12,778	35 1/4
42 MV 13	43	370	15,155	42
42 MV 15	49	432	18,123	49
42 MV 17	56	494	20,745	55 1/4
42 MV 17	63	556	23,328	61 3/4
42 MV 21	70	617	25,914	68

<i>Heavy</i> - 1.98 Volts average - 3 1/2 in.				<i>Rate</i> - 5 Hours
42 MV 11	27 1/2	272	10,444	31
42 MV 13	33	327	12,734	36 1/4
42 MV 15	38 1/2	381	16,023	42
42 MV 17	44	436	18,312	47 1/4
42 MV 19	49 1/2	490	20,080	53
44 MV 21	55	545	23,980	58 1/4
44 MV 23	60 1/2	599	26,526	64
44 MV 29	* (77)	* (763)	* (33,528)	* (80)

Prices F.O.B. New

41 MV 9	28	247	10,127	29 1/4
---------	----	-----	--------	--------

Prices to General

44 MV 19	63	556	24,464	61 1/4
----------	----	-----	--------	--------

**Battery Company.
Walker Vehicle Co.**

No Injns Battery	Price	Remarks
<i>Hours Discharge</i>		
1229	\$395.15	318 watt hour
1491	472.90	364
1764	550.80	353
2058	628.00	345
2321	745.70	357
2594	823.50	345
2856	902.90	350
<i>discharge</i>		
1302	\$301.25	264
1583	340.75	250
1764	385.25	240
1995	433.70	237
2226	476.25	231
2474	518.50	224
2816	593.15	
* (3,520)	761.00	* Estimated

Yorks to Rausch & Lang

1210	384.00	Ironclad
------	--------	----------

Motors Truck Co.

2583	850.00	Ironclad.
------	--------	-----------

Battery Prices to Vehicle Manufacturers.
Ironclad Exide. Average voltage

New York Central Tascicals
1.96 - 4 1/2 hours discharge

No. and
Type

Amph
disch.

Watt
hous
cell

Watt hours
Battery

Weight cell

Watt hours
Battery

Price

Remarks

Walker Vehicle Co.

48 MV 9 28 247 11.856 29 1/4
 " Allowance when replaced by new
 " Positive and Negative renewal
 44 MV 11 35 309 13.596 35 1/2
 " Allowance when replaced by new
 " Positive and Negative renewal

1404 \$227.00 f.o.b. factory - *492 resale (Resale)
 Battery 75.84 " " 25%
 1562 485.00 " " 25%
 Battery 90.64 " " 25%
 435.14 " " 25%

J. C. Bartlett

43 MV 11 35 309 12.978 35%
Philadelphia Storage
Battery Company
Average voltage 1.98

1491 580.00 * Estimated
 Battery Company
 5 Hours discharge

J. C. Bartlett

42 WT 19 48.6 481 20.202 41 1/2
 " 28 months guarantee, no renewal
United States Light
Average voltage 1.98

17430 380.00 Cost 300.00
 at 300.00 at original purchase
 * Heating Company
 4 Hours discharge

Walker Vehicle Co.

48 WBT 11 125 248 11.904 26 1/2
 44 WBT 13 150 297 13.068 30 1/2

1260 799.00 f.o.b. N.Y. - 4 yr maintenance
 1353 879.00 " " " " 25%
 1117

Cost of Blank-materials only

100% good	3.54
98	3.61
96	3.68
94	3.76
92	3.84
90	3.93

Cost of Transfer veneer no labor

100% good	5.80
98	5.92
96	6.04
94	6.16
92	6.30
90	6.44
88	6.59
86	6.74
84	6.90
82	7.07
80	7.25
78	7.43

Transfer continued

76	7.63
74	7.83
72	8.05
70	8.28
68	8.53
66	8.78
64	9.06
62	9.35
60	9.66
58	10.00
56	10.30
54	
52	
50	
48	
46	
44	
42	
40	
38	

Cost of Print + test moulds -

100%	6.80
98	6.94
96	7.08
94	7.23
92	7.40
90	7.55
88	7.72
86	7.90
84	8.09
82	8.29
80	8.50
78	8.72
76	8.94
74	9.19
72	9.44
70	9.61
68	10.00
66	10.30
64	10.62
62	10.96
60	11.33

58	11.72
56	12.14
54	12.59
52	13.07
50	13.60
48	14.16
46	14.78
44	15.45
42	16.18
40	17.00
38	
36	
34	
32	
30	

Direct Material Costs fundamental Units

Powder blander	.0354	per disc
Varnish	.0218	"
Transfer Complete	.058	
8 Submaster blanks	20.	
2nd Master	20	
Celluloid Covering	3512	per blank
Sub + 2nd M blank Celluloid	5512	
Wax blank for ready	1.23	each
Wax Mould	1.21	
Wking "	1.21	
2nd Master "	1.21	
Label blank paper	.0225	"
Master Label Electro	4.75	
Submaster Label Celluloid	0.28	
Genl Exp 6 mo. Month	\$6981	
Wkg 111 150532 prints 900 moulds		
28 days March	.747	Cent

~~Metal Tray 30 Lumps 10 lbs 12 $\frac{3}{4}$~~
~~News type tray 6000 sup 6 lbs 12 $\frac{3}{4}$~~

223

100 Cells -

Renewal 4 yr cells

Grinding	3	74
10% loss rubber pts	7	54
12000 Tubes only	59	99
20% loss Cans	2	64
Labor assembling Ni	1	96
Recovering Ni + flake $2\frac{1}{2}$ lb	6	10
12000 Fe pockets	16	87
Assembling Fe	3	25
Addition Fe mix	19	07
Recovering Fe $2\frac{1}{2}$ lb	5	27
Assembling Cells	8	09
Electrolyte	29	00
Doping + forming	14	00

240 of can be
done for

15% more flake
put in 6000 cells

2.22 Cell

177.52

28

205.52

Miller's estimate converting
old 4 yr NiOH to new NiOH

Material 08494 cents lb
Labor 01604 lb -
9198 cents lb

27.069 Cents per cell

Calliper Records sent by Moore to the
dip one edge against the other

004
014
009
007
015
003
033
018
003
014
010
019

April 13 -
Class A Drain 73 - disc
Disc Jabbens 44 -

Big Ads over whole Co.
Cost to April 14

\$ 23,121 $\frac{16}{100}$

of which my City

\$ 10,235 $\frac{85}{100}$

Always keep free
Shanal 22% in Vannu
New lot I wanted
has 24 1/2% -

Horn Notes

Sec	und	
64		15.6
128		7.8
C ² 56		3.9
C ³ 12		2 1/2 under
C ⁴ 1024		11.25
C ⁵ 2048		5.62
C ⁶ 4096		2.81
C ⁷ 8192		1.40

Jan'y 29th
 Records in Catalogue - Sup 389
 New Supplement 24
 Next List 42
 " Single 14
 Not matched 8
 477 - 245 Discs

Sales records discs all prices
 1 week ending April 15

173014 - 6836 2⁵⁰
 2874 3⁰⁰

111061 \$1
 43806 1.50
 8438 2⁰⁰

%
 \$1.64
 1.57 25
 200 4.9
 250 3.9
 300 1.6

Total list price \$219357
 \$1267 per record
 50% off 63.3 -

Talent on Disco-	Cents
Daily 1000	24
1500	16
2000	12
3000	8
4000	6
5000	4.86
6000	4
7000	3.47
8000	3.
9000	2.70
10000	2.40

Resin 875 lbs	
Phenol 740 1000 lbs	72 50
Good lbs 8 1/2 c formal	51 00
12 hours labor 200	2 40
	<u>125-90</u>
14.4 Cents pound	

Junge on hand Dec 5 1913	
Good, not recorded	68 mchmbl
" "	94 Sango-
Rehntal "	27 light sp
Good -	167 light sp.

5000 Records
has been done on this

Wages	
Transfer + Print men	107 91
Inspection of Records	12 57
Filing in + numbering	11 40
Mould wipers	57 27
Buffing	11 96
Edging	25 37
Grafting	4 50
General expense pay roll	72 42
Repair Celluloid prints	15 85
" Metal moulds	10 06
XX	12 17
Sorting records on boards	11 35
Grimes Pay roll	86 00
Genl labor materials supplies	264 00
Grimes supplies	37 56
Celluloid + disc	80 00
Feeling	24 79
Dunwiddie Platers	16 43

\$ 865 22

July 1st

\$1262.7

Blank + veneers delivered to
Transfer room costs 11 cents
Return Value of discards 5 cents

Costs of working moulds
per record 150 printed
90 records net is 2.85
per record,

Blank Costs
Materials of blank 3.54
Varnish per 2 plates 2.18
Varnish costs 11.31 per pound

Blank Labor - 7000 daily
Labor Moulding 1.67 cent
Labor on Materials 1.37 "
Steam + water 0.41
Material 3.54
Y allow 7.25 6.99

(131)

	Cent
Cost flowing plates (2)	0.7 cent
" Washing " (2)	0.7 "
" Cyanide + K ₂ H ₄ (2)	0.27 "
Inspection	0.25
Oven.	0.01
Plate cleaning scraping kept	<u>0.30</u>
pen transfer	2.23 cents
Varnish (2)	<u>2.18</u>
	4.41

Wages general supplies outside
blank and plate flowing—

Cost of Blanks + Varnish 11 Cents

	Drops	with label.
2000.	37.40	49.50
2500.	29.95	39.95
3000.	24.91	32.91
3500.	21.38	28.38
4000.	18.70	24.70
4500.	16.66	22.00
5000.	14.96	19.82
5500.	13.61	18.04
6000.	12.64	16.64
6500.	11.48	15.21
7000.	10.68	14.15

147 III 1

May 1914 -

Disc Labels	44
Class A Disks	76
Disc only Disks	395
Disc & Cylinder Disks	1342
Total Disc Disks	1737

Cylinder Disks only 8133 5

III 23 Disc Labels	45
Class A	99
Disc only	439
Disc & Cy	1391
Cylinder only	8033

1250

1250.

490

309.

6' 4 90
30 6 18

37 0 8

Upto June 1 1914 sealed

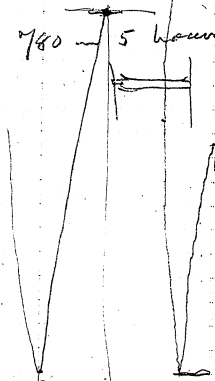
A+B #60	3087
A 80	6162
A 150	5950
A 200	5212
A 250	6082

A 275	170
A 290	117
A 300	80
375	76
400	40
425	53
450	49
	<u>27078</u>

	Records	
100	371981	
150	234345	
200	55134	
250	29920	
300	13120	
Adv.	1255	<u>705755</u>

1726 Day
1704 —

780 — 5 hours



Lead but 3rd ave
485 amp #800
about 20000
miles, throw away

No 11 Blank
 500 grms used
 42 grms scraped
 458 in blank
 Blank packed
 without jamming
 Threw mix in +
 just levelled up
 with few lumps
 scraped + straight
 scraped

2086
 166
 1920
 38400
 1920
 230400

Blank No 11
 Calliper

270 275
 276 283
 283 287
 286 4080
 29.2 81760
 42 4080
 1168 490 4080
 4080 4905
 2920 5960
 1168 490
 4080 490
 2588
 16688
 120
 333260
 668256 [145]

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242

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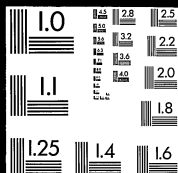


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